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# The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

3472  
L. CXLVI

AUGUST 24, 1946

Annual Subscription (with  
Diary) 25/-. Single copies 9d.

MACFARLAN'S

## ALKALOIDS AND ANÆSTHETICS

have attained during over  
a century of experience,  
an unassailable reputation  
for purity and reliability

J. F. MACFARLAN & CO.

Makers of Pharmaceuticals  
since 1780

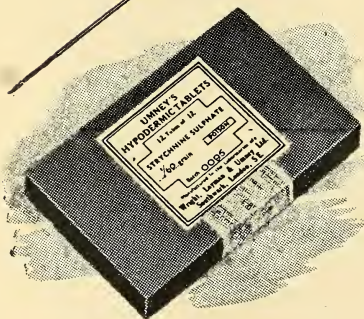


109, Abbeyhill, Edinburgh.

8, Elstree Way, Boreham Wood, Herts



# UMNEY'S HYPODERMIC TABLETS



Only the purest drugs are used, packing is in sterilised tubes, solubility is rapid and complete, accurate dosage is assured.

44-45 SOUTHWARK STREET • LONDON • SE1






# DON'T JUGGLE WITH YOUR

# REPUTATION

Over the years you have established a standard of quality upon which your reputation has been proudly made. Today, that reputation is one of your biggest assets. You cannot afford to juggle with it. For, even in these days of difficulties and shortages, the slightest variation in an essential specification and, before you know where you are, your're in danger of losing a customer—and your reputation.

That's quite a responsibility for any man to carry—but one that Monsanto, in preparing their products, readily accepts without qualm. But then, Monsanto has good reason to accept it. Every batch of every Monsanto chemical is *double-checked* by our highly skilled control chemists before a single pin or a single pound is delivered to your works.

But there's even more to it than that: most Monsanto chemicals are prepared to much closer specifications than those required by B.P. or B.S.I. So with a high standard to start with, and with that high standard as an integral part of your formulae, you will readily appreciate the important part that *double-check-controlled* Monsanto chemicals play in helping you to maintain your reputation,



**MONSANTO  
CHEMICALS**

## MONSANTO CHEMICALS LIMITED

Victoria Station House, London, S.W.1

Phone: Victoria 2255 Grams: Monsanto, Sowest, London

Aspirin ; Phenol ; Phenacetin ;  
Methyl salicylate ; Sodium salicylate ;  
Benzoic acid ; Sodium benzoate ;  
Lysol and many others.

**SERVING INDUSTRY . . WHICH SERVES MANKIND**



# SevenSeaS

## REDUCED PRICES

On September 30th the retail selling price of SevenSeaS cod liver oil in 8-oz. and 16-oz. bottles will be reduced. The reduction to the chemist will date from September 1st. All stocks at the old prices, therefore, should have been cleared by September 30th.

At the same time we are introducing a 6-oz. size.

Supplies at the new prices will be sent out in good time. We can also arrange to despatch direct any order for *case quantities*, invoicing through your wholesaler.

There will be no reduction in price of capsules or of the 1-oz. concentrated oil.

### ● IMPORTANT

There is a shortage of 8-oz. and 16-oz. bottles. In order to avoid delay please order as large a proportion of your requirements as possible in the 6-oz. size. The selling price per oz. is the same for both sizes.

New selling prices (as from 30th September) —

6-oz. .... 1/6

8-oz. .... 2/-

16-oz. .... 3/6

### ● ORDER NOW

You will be wise to estimate your requirements at once, as orders booked now for delivery after September 1st will be handled in strict rotation. Be careful not to under-estimate; during the autumn and winter months there will still be a shortage of containers, and deliveries may be delayed in consequence. And don't let stocks run too low between now and September 1st. Remember, cod liver oil is the only unrationed priority food that's easy to get, and people are more than ever in need of extra fats and vitamins.

### ● SHOWCARDS

We have two showcards ready for distribution, and we shall be pleased to send copies to any retailer who asks for them.

*You'll  
be glad to  
say 'Yes'—*

when your customers ask for

# CROOKES HALIBUT OIL



## CROOKES HALIBUT OIL

### STANDARD BONUS PARCELS

PARCEL G	12 x 15 c.c. Drops @ 5/- Retail	Less 25%	3	0	0	<b>BONUS</b> 1 x 15 c.c. Drops
			15	0		
			2	5	0	
			4	6		
* Amount of cash with order			* 2	0	6	RETAIL VALUE 5/-
PARCEL H	36 x 5 c.c. Drops @ 2/- Retail	Less 25%	3	12	0	3 x 5 c.c. Drops
			18	0		
			2	14	0	
			5	5		
* Amount of cash with order			* 2	8	7	RETAIL VALUE 6/-
PARCEL J	12 x 30 c.c. Drops @ 9/- Retail	Less 25%	5	8	0	1 x 30 c.c. Drops
			1	7	0	
			4	1	0	
			8	1		
* Amount of cash with order			* 3	12	11	RETAIL VALUE 9/-
PARCEL K	72 x 5 c.c. Drops @ 2/- Retail	Less 25%	7	4	0	12 x 5 c.c. Drops
			1	16	0	
			5	8	0	
			10	10		
* Amount of cash with order			* 4	17	2	RETAIL VALUE £1/4/0
PARCEL L	12 x 100 Capsules @ 8/6 Retail	Less 25%	5	2	0	1 x 100 Capsules
			1	5	6	
			3	16	6	
			7	8		
* Amount of cash with order			* 3	8	10	RETAIL VALUE 8/6
PARCEL M	36 x 100 Capsules @ 8/6 Retail	Less 25%	15	6	0	3 x 100 Capsules
			3	16	6	
			11	9	6	
			1	3	0	
* Amount of cash with order			* 10	6	6	RETAIL VALUE £1/5/6

October's new advertising campaign will send your sales higher than ever before and we strongly advise you to build up your stocks now and avoid delay or disappointment later on.

Orders for Bonus Parcels can be executed immediately during the summer months but we can give no guarantee for the winter.

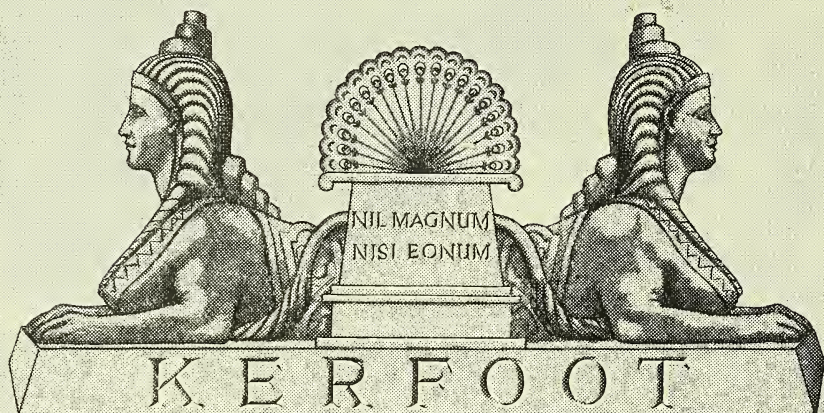
**PATA**

TERMS OF SUPPLY: 1. Bonus in kind will be allowed only when one or more standard parcels G, H, J, K, L, M, are ordered. 2. Cash must accompany the order. No pro-forma invoices can be issued. 3. Orders for broken parcels or unaccompanied by cash will not be entitled to bonus in kind. 4. Bonus in kind cannot be allowed on any other Halibut Oil products.



# For OPHTHALMIC TABLETS

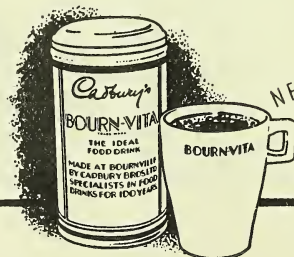
K30



THOMAS KERFOOT & CO. LTD. VALE of BARDSLEY, LANCASHIRE

## *Cadbury's* **BOURN-VITA**

FOR SLEEP — AND ENERGY



NEEDS NO SUGAR



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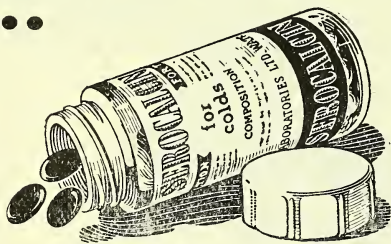
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## The "COLD" Season will soon be here ...

This is zero hour in the battle against colds. Tens of thousands are now starting their prophylactic course—many more will follow. Are you prepared to meet this great seasonal demand? At the moment we are adequately stocked to supply you, but later in the season delay may be inevitable. Your early order for Serocalcin will therefore help us and help you. Order NOW!



Make sure  
you  
**ORDER NOW**  
sufficient  
stocks

# SERO-CALCIN

## FOR THE PREVENTION & TREATMENT OF COLDS

HARWOODS LABORATORIES LTD., WATFORD, HERTS. Phone Watford 4457

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# URILLAC *appeals to every woman.*



Advertising has created a big demand—customer satisfaction is responsible for recommendation and repeat sales. Urillac is an improved formula for the quick relief of headaches, rheumatism, and all nerve pains. Nationally advertised, sales are increasing by leaps and bounds. The display is to sell on sight.

# URILLAC

On the **P.A.T.A.** Protected List.

SOLE DISTRIBUTORS: W. B. CARTWRIGHT LTD., RAWDON, LEEDS



# A SIGN of mutual confidence

WE SELL

*Rendells*

PRODUCTS

"FOR FEMINE HYGIENE"

ASK FOR BOOKLET

SANTRON

RENDSELL'S FEMINE HYGIENE

SILATEX

MENSINOLE

RENDELL GELS

PATA

Women like to know where they can purchase Rendells Products — especially new customers. You can gain their confidence and their regular custom by letting them see that YOU stock these famous products for feminine hygiene. Just a small counter display, a dignified showcard, will be most helpful for new and regular customers.

PATA

W.J.RENDELL LTD. 161, ROSEBURY AVE, LONDON. E.C.1.

RENDILLS · SILATEX · SANTRON  
MENSINOLE · RENDELL GELS



**PILLS · TABLETS · 'Own Name' Formulæ**

EVERY 'COX' MANUFACTURE REACHES THE  
HIGHEST STANDARD ATTAINABLE BY MODERN  
LABORATORY CONTROL

We offer our confidential collaboration and invite you to consult us regarding the manufacture and packing of Medicinal products.

---

**ARTHUR H. COX & CO. LTD.**

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*Manufacturing Chemists since 1839*  
**BRIGHTON.**

**OVERSEAS AGENTS :**

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SOUTH AFRICA. Sladen & Ashman, 14 Burg Street, Cape Town.  
INDIA. Kemp & Co., Ltd., Bombay I.

*Supplies of*  
**UNGUENTUM ALCOHOLEUM LANAE B.P.**  
**Ointment of Wool Alcohols**  
for the dispensing of  
**UNGUENTUM PENICILLINI B.P.**  
**Ointment of Penicillin**  
are available from

**CRODA LTD., CRODA HOUSE, SNAITH, GOOLE, YORKS**  
Tel. No.: Snaith 77      Telegraphic Address: Croda, Goole

new, nontoxic **smaller dosage** sulphonamide

# 'SULFATHALIDINE'

*Phthalylsulphathiazole*

**for treatment of colon infections!**

Smaller dosage, nontoxicity, effective bacteriostasis are outstanding therapeutic features of 'SULFATHALIDINE' *phthalylsulphathiazole*, the new enteric sulphonamide developed by the Medical Research Division of Sharp & Dohme.

The new compound is indicated in the treatment of ulcerative colitis, regional ileitis, as a supplement to therapy of amebiasis, giardiasis, and paratyphoid infections, and as an adjunct to intestinal surgery. 'SULFATHALIDINE' *phthalylsulphathiazole* maintains a high bacteriostatic concentration in the gastrointestinal tract, profoundly reducing *Escherichia coli*, clostridia and related organisms. Only 5% of the ingested drug is absorbed and this is rapidly excreted by the kidneys. Administered recently to 100 patients with colon infections, 'SULFATHALIDINE' *phthalylsulphathiazole* was effective in the treatment of 90.<sup>1</sup> The clinician reported:

"It is my impression that *phthalylsulphathiazole* is less toxic and more bacteriostatic than any intestinal agent used previously and that, because it has these properties, smaller doses of the drug may be used to advantage."<sup>1</sup> 'SULFATHALIDINE' *phthalylsulphathiazole* is supplied in 0.5-Gm. compressed tablets in bottles of 100, 500 and 1,000.

SHARP & DOHME, LTD., HODDESDON, HERTS.



<sup>1</sup> J.A.M.A., 129: 1080, DEC. 15, 1945.



# The New Barrier Cream!

## dermoOclean

### "NO MORE DIRTY HANDS"

Contains 0.2% *p*-chlor-m-cresol—  
a powerful antiseptic and germicide

Applied to the hands, the imperceptible coating effectively prevents dirt from penetrating the pores. When hands are washed, the skin is clean and smooth.

A display on the counter appeals to a wide range of customers, such as the MOTORIST, GARDENER, HANDYMAN & HOUSEWIFE.  
(Showcard Available)

Retail Price: 2/- per pot, including Purchase Tax.

TRADE PRICE: 13/6 per doz., plus 33 $\frac{1}{3}$ % Purchase Tax.

C.A. 131a 12 doz.—12/- per doz., plus 33 $\frac{1}{3}$ % Purchase Tax.



Our Abridged Price List is now available, on receipt of 1d. stamp to conform with Regulations.

**CLAY & ABRAHAM LTD., Manufacturing Chemists, LIVERPOOL, 1**

## *Cyclo*

### "CYCLOCHEM"

#### EM 420

The foremost Emulsifier for  
**PURE WHITE THICK HAIRCREAMS**

#### EM 550 & EM 560

**FOR HAIR RECONDITIONING  
AND AFTER SHAMPOO RINSE  
PREPARATIONS**

Ask for our 24-page Hand book  
"Cyclochem Self-Emulsifying Waxes"

**FATTY ALCOHOL SULPHONATES—  
LIQUID & POWDER**

Natural Waxes • Synthetic Waxes  
**CYCLO CHEMICALS LTD.**

Wax Refiners and Chemical Manufacturers

**MANFIELD HOUSE, STRAND, LONDON, W.C.2**

## EEZIT

**THE "BEST SELLER"  
THAT PAYS YOU TO STOCK**

TRADE ENQUIRIES INVITED  
**M. CALTHORPE & CO. LTD.**  
Manufacturing Chemists, Ossett  
SOLE DISTRIBUTORS

**POWDERS  
AND  
TABLETS**

**Healthy babies  
Happy mothers**

You can recommend Drury's Infants' Preservative with every confidence. It is safe, effective, and a most excellent remedy for Wind Spasms, Griping pains, and other distressing complaints incidental to infants at the period of cutting their teeth.



If you stock

**DRURY'S**  
*Infants' Preservative*

**DRURY'S PHARMACEUTICALS LTD.**

NEWARK  
ENGLAND



## PRICE ALTERATIONS

OXO Limited regret that owing to continued high cost, increases in the prices of the following lines can no longer be avoided. Prices from September 1st, 1946.

### ‘LIVEROID’

Bottles:

6/- (approx.  $4\frac{1}{2}$  ozs.)

9/11d. ( „ 8 ozs.)

### CONCENTRATED OXO

2 oz. 1/9d.

4 oz. 3/2d.

# C. R. HARKER, STAGG & MORGAN LTD.

announce the opening of

## West End Reception Offices

for the convenience of their Export and Country customers. They will be glad to meet any friends there, preferably by appointment, at

**8 ST. GEORGE ST., HANOVER SQUARE, W.1,**

Telephone: MAYfair 4323

the building of their parent Company  
Joshua Wardle Ltd. of Leek, Staffs.

C. R. HARKER, STAGG & MORGAN LTD.

EMMOTT STREET, LONDON, E.1

Telephone: STEpney Green 2022

 **More today —and still more tomorrow**

APEX Insect Guns for Garden Pests, House Pests, 6d. 1/3d.†

ERA Moth Cartridges—300 times stronger than mothballs. Very large supplies.

KAY'S Tile Cement. Supply resumed.

SEA-PINE Series—the Frozen Fragrance of Pine Forests:

Solid Disinfectant Tablets †

Liquid Disinfectant †

Lavatory †

Lavatory Deodorant. Supply resumed.

TENASITINE Super-Glue—Handiest for Domestic Repairs and Home Hobbies. Supply resumed.

DAK for Trapping Mice and Rats. Supply resumed.

KAY'S D.D.T. Flykiller, 6d.

Flycatcher†: VIPER, TOMTHUMB, HONEYPOT D.D.T. † Supply limited.

**KAY BROTHERS Ltd**  
Kayborough, Reddish, STOCKPORT

*Good! it's* **MASON'S**  
EXTRACT OF HERBS

The Chemists' FAVOURITE for over 75 YEARS

A 9d. bottle makes 6 gallons of delicious sparkling Mason's Herb Beer. GOOD PROFITS—QUICK SALES

Write for Trade Terms

NEWBALL & MASON LTD., NOTTINGHAM. Est. 1850

## GLASS BLOWING

BENCH BLOWN

LABORATORY AND INDUSTRIAL GLASS APPARATUS. (Also REPAIRS)

G. C. AIMER & CO. 56-8 ROCHESTER PLACE  
GUL. 3618 CAMDEN RD., N.W.1

**DR. NIBLETT'S VITAL RENEWER NERVE SEDATIVE**

TRADE TERMS—33½% to Chemists, or through your Wholesaler.

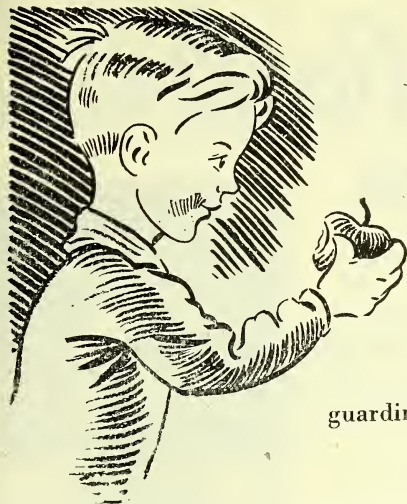
Retail Price 5/- per bottle, including tax

Prepared by C. P. NIBLETT Est. 1870

10, Lichfield Terrace

RICHMOND, SURREY

Phone RIC 3221



## An Apple A Day

... keeps the doctor away — perhaps. As we don't sell apples we are unable to say, but we do make hundreds of products for the dispensing chemist which we believe are better than apples for guarding the health of his customers.



MANUFACTURING CHEMISTS  
OFFICE & WORKS: MANSFIELD ROAD, DERBY  
'Phone: Derby 4266 (3 lines) 'Grams: Dania, Derby

## SUPPLIES ARE STILL LIMITED



Now that Peace has at last returned to the World we wish to extend our grateful thanks and appreciation to all our friends for their kind co-operation in the past six years of difficulty.

We shall continue to give the best service we can during the period of reconstruction and feel sure that we shall have their confidence and sympathy until such time as trade conditions become more normal.

**W. T. OWBRIDGE Ltd.**  
**The Laboratory**  
**HULL**

**PATA**



# Dr Page-Barker's Scurf Lotion

This well-known preparation is still being manufactured to the original formula, although owing to wartime conditions supplies are somewhat restricted.

If you find any difficulty in obtaining supplies send us the name of your usual Wholesaler and we will do our best to assist you.

Trade price **18/-** per doz.

Plus Tax **ONE SIXTH**

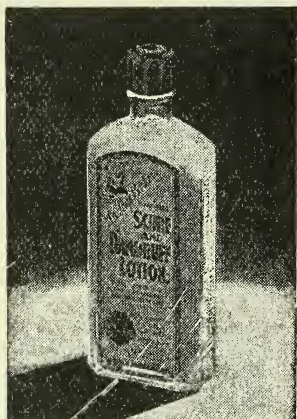
Retail **2/9** **PATA**

Sole Manufacturers and Proprietors—

**ILEX SUPPLY CO., LTD.**

(Page-Barker Dept.)

252b GRAYS INN ROAD, W.C.1



## SANGENE

Brand

## PRODUCTS

announce that their

★ **ANTISEPTIC INFANTS  
DUSTING POWDER** ★

in Sprinkler Tins is a  
delightfully packed

### NURSERY REQUISITE

Distributed by **S. MAW, SON &  
SONS, LTD.** of NEW BARNET



### SANGENE PRODUCTS LTD

**33 EASTCHEAP, E.C.3**

'Phone: MAN. 2712

## A famous Food ...

For over a century countless babies have been reared to sturdy childhood on NEAVE'S FOOD and milk. The body-building qualities of NEAVE'S FOOD owe this universal recognition to a traditional process—which ensures nutrition without digestive effort.

## IN A NEW PACK

designed for pleasing display, this famous infant and invalid food is supported by lively new advertising in the national Women's Press.

Attractive trade terms.



Retail Prices :

**1/9** per **3/11** per  
1-lb. tin. **2½**-lb. tin.

**NEAVE'S FOOD LTD., Fordingbridge, Hants.**

*Specialists in the treatment  
of wheat for the Very Young*

# AGAIN AVAILABLE

Discontinued for some months because of technical difficulties, 'Calsiod' Tablets are now available once more. This preparation enjoys an excellent reputation with the medical profession for the treatment of arthritis and rheumatoid conditions generally—including such ill-defined troubles as fibrositis, myalgia, lumbago, etc.

## 'CALSIOD' TABLETS

(Calcium ortho-iodoxybenzoate 0.5 gm.)  
ISSUED IN BOTTLES OF 30 TABLETS

Trade Price 34/8 per doz. Purch. Tax 5/10 per doz.  
Retail Price 4/6 each including Tax.

YOUR WHOLESALE CARRIES STOCKS

MENLEY & JAMES LTD., 123 COLDHARBOUR LANE, LONDON, S.E.5

CT.1

**★ SURE-SELLING STOCK!**  
**KEARSLEY'S**  
THE ORIGINAL  
**WIDOW WELCH'S FEMALE PILLS**

● **9d. BOX PROFIT** by ordering 1 dozen  
2/10 size. Bonus box given on every  
dozen (13). It pays to push this size.

**C & G. KEARSLEY LTD.**  
71 DARTMOUTH RD. LONDON, SE 23

## DENTAL STICKS

Retail Chemists who have not yet stocked Dental Sticks should seriously consider obtaining supplies through their Wholesaler or direct from

**BRITISH DENTAL STICKS LIMITED**  
Elswick Road, Newcastle-on-Tyne, 4

# MILLAMALT

*The* **VITAMIN MALT FOOD**

Sole Manufacturers With Vitamins (A. 6,500 I.U., D. 400 I.U.)  
JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Rd. N.19  
per fl. oz.

## Compressed TABLET SERVICE

WHOLESALE & EXPORT

Clients' own material operated if desired. Reasonable estimates.

**The DALES ASPIRIN AND TABLETING CO.** Barrows Lane, STEETON, Yorks.

# Johnson's baby powder

**NOW COSTS  
LESS!**

FROM  
~~1/9~~<sub>d</sub>  
INCL. TAX



TO  
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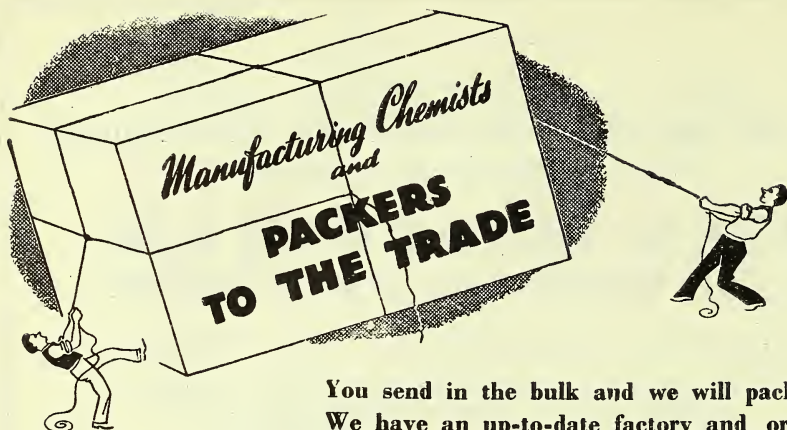
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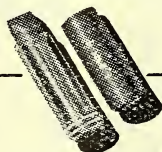
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## POND'S LIPSTICK UP IN PRICE

*Small size now in metal case retails at 1/3*

*(including purchase tax)*



The retail price of Pond's small Lipstick is now 1/3, including purchase tax, instead of 10½d. But it comes in the popular, pre-war metal case with close-fitting top for protection.

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Reintroduced is Pond's Large Lipstick at a retail price of 5/3, including purchase tax. The lipstick is in the popular, pale-green metal container and all favourite shades listed above. Supplies of both large and small lipsticks are very limited.

## POND'S LIPSTICK

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your  
protection**

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Herts Pharmaceuticals Ltd. manufacturers of "Nivea" Creme and other toilet preparations under the Registered Trade Mark "NIVEA" are concerned to protect users and retailers from deception through the purchase or substitution of spurious goods.

In recent High Court proceedings Herts Pharmaceuticals Ltd. were granted an injunction to restrain infringement of this Registered Trade Mark by a retailer selling as "Nivea" a cream not manufactured or marketed by them. The retailer was also enjoined from selling or offering for sale toilet creams not produced by the Company under or by reference to the word "Nivea." The Court further ordered an enquiry as to the damage which the Company might have suffered and the payment of the Company's costs of the proceedings.

To prevent deception of the public and to protect their trading interests, Herts Pharmaceuticals Ltd. wish it to be known that they will take all necessary steps to stop infringement of their Registered Trade Marks.



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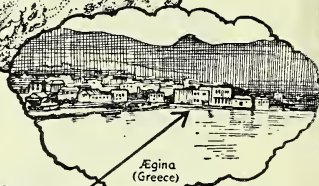
## ROLL CALL Brushless SHAVING CREAM

5/9 per doz. (Purchase Tax 1/11). Retail Price Including Purchase Tax: 10½d.

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2 " " "	5/- " "	...	40/- "
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2/6 " (four times larger)	...	17/6

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Ampoules containing 5, 10 and 25 mg./c.cm.

### **PERANDREN OINTMENT** (*testosterone*)

Containing 2 mg./g.

### **PERANDREN LINGUETS** (*methyltestosterone*)

Containing 5 mg. for sublingual use.

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Ampoules containing 1 and 5 mg./c.cm.

### **OVOCYCLIN OINTMENT** (*oestradiol*)

Containing 0.1 mg./g.

### **OVOCYCLIN LINGUETS** (*oestradiol*)

Containing 0.04, 0.1 and 1 mg. for sublingual use.

## Progestogenic

### **LUTOCYCLIN** (*progesterone*)

Ampoules containing 2, 5 and 10 mg./c.cm.

### **LUTOCYCLIN LINGUETS** (*ethisterone*)

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### **PERCORTEN** (*desoxycortone acetate*)

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## NEWS OF THE WEEK

**Scottish Seaweed Products.**—A factory for the manufacture of chemicals and other products from seaweed is being opened at Balcaldine, Argyll.

**Herring Oil Investigation.**—A technical mission formed recently by the Ministry of Food is to study methods of herring oil extraction used in Scandinavia.

**Manchester Chemists' Golf.**—In the annual competition of the Manchester and District Chemists' Golfing Society, for a prize presented by E. Griffiths Hughes, Ltd., played recently under Stableford rules, the winner was Mr. P. W. Stuart; Messrs. A. Daniels and H. Stubbs tied for second place.

**Edinburgh Prizewinners.**—Miss Mary Davidson, Dalston, Carlisle, has been awarded the Duncan Memorial medal and prize for the best pharmacy student of the year at Heriot-Watt College, Edinburgh. The Maltas Memorial prize in physics has been won by William J. Wilson, Kirkby-in-Furness.

**Dentists Reject N.H.S.**—The joint Advisory Dental Council has rejected un-

animously the interim offer for a new scale of fees under the National Health Service, made by Mr. Griffiths (Minister of National Insurance). The Council felt that it could not guarantee a reasonable dental service for the insured population at any scale of fees less than that approved by the Dental Benefit Council.

**Manchester Refresher Course.**—A refresher course for pharmacists arranged by the Manchester Pharmaceutical Association and Branch of the Pharmaceutical Society, and designed to follow up the previous session's course, is to be held at the Manchester College of Technology during the session beginning October 1. Lectures will be held on Tuesdays from 7.30 to 9.0 p.m., and pharmacists wishing to attend the course should register at the College on October 1 prior to the first lecture in the series.

**Wigan Branch Dinner.**—The Wigan Branch of the Pharmaceutical Society is holding a dinner at the Mayoral Chambers, Wigan, on September 18, when Mr. Hugh Linstead, M.P. (secretary, Pharmaceutical



Society of Great Britain) and Dr. R. Clitherow, M.P., are to speak on the proposed craft union for pharmacists. Tickets, price £1 1s. each, may be obtained from Mr. J. B. Morris, M.P.S., 272 Wigan Road, Bryn, Ashton-in-Makerfield, nr. Wigan, not later than September 10.

**Inter. B. Pharm. Results.**—The following external students have passed the July Intermediate examination in pharmacy of the University of London: Benn, Selwyn; Blackmore, Zola Valerie; Bryan, Geoffrey; Bryant, Alfred Edgar; Creese, June; Davies, Kenneth Walter; Foxon, Margaret; Gibbs, Brian Montague; Huxford, Richard Aubrey Desmond; Kalisch, Horst Gerhard; Miller, Audrey; Price, Woolf; Ricketts, Marian Dora; Terry, Norman Arthur. The following Higher School candidates have completed exemption from the Intermediate examination: Costiff, Peter Brian; Crew, Frances Maidie; Rothwell, Audrey; Williams, Ethel Minnie Elizabeth.

**Key Industry Duty Exemptions.**—The Board of Trade give notice of the renewal of exemption from liability to key industry duty until December 31, 1946, of all articles previously exempted under The Safeguarding of Industries (Exemption (No. 4) Order, 1946), copies of which may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, price one penny. The exemptions include articles of the following classes: Optical elements. Lamp-blown glassware. Scientific instruments. Vacuum tubes. Compounds of rare earth metals. Synthetic organic chemicals, analytical reagents, fine chemicals and chemicals manufactured by fermentation processes and vanadium compounds.

**British Industries Fair, 1947.**—The first British Industries Fair since 1939 is to be held from May 5 to 16, 1947, at Earls Court and Olympia, London, and at Castle Bromwich, Birmingham. Exhibits will be grouped, as formerly, in two main sections: the lighter industries in London and the engineering and hardware at Birmingham. The London section of the Fair is organised by the Export Promotions Department, Board of Trade, 35 Old Queen Street, London, S.W.1, and the engineering and hardware section by the Birmingham Chamber of Commerce, 95 New Street, Birmingham, 2. Special attention will be devoted to the display of United Kingdom products suitable for export, and it is hoped the Fair will attract many buyers from abroad as well as from Britain.

## IRISH NEWS

**Pharmacists in Irish Army.**—An Irish correspondent writes that pharmacists in the Irish Army are likely to be attached as civilians, according to provisions of an Army reorganisations scheme. Pharmacists are not referred to in new regulations providing extra pay for professional qualifications of medical, legal and ordnance officers.

**Diphtheria in Co. Meath.**—The high incidence of diphtheria in Co. Meath is mentioned in the County Medical Officer of Health's report for 1945. Fifty-three cases of diphtheria were notified during 1945 while the past three years showed an average of sixty-two cases per annum, against fourteen for the previous three years. The increase was made up with an unusually large number of adults. The report states that the rural community in the county appears not to have acquired immunity to the disease.

**Tuberculosis Research Grant.**—Of the £8,000 annual Government grant renewed to the Medical Research Council recently £3,000 is to be devoted to research into the causes of tuberculosis. Two committees are working on the problem at present; Messrs M. T. I. Cronin and B. T. Farrelly, M.R.C.V.S.I., are engaged, under Professor W. Kearney, of the Veterinary College, in investigating the origin of the disease in humans and in cattle; and a further investigation is being conducted into the chemotherapy of tuberculosis by Dr. V. G. Barry and Dr. P. A. McNally. This is the first time that investigation into tuberculosis on such a scale has been carried out in Ireland.

**Chemists' Golf Meeting.**—At the Irish Chemists' Golfing Society meeting held recently at Dollymount, those present included Mr. Jos. Gorry, Naas, co. Kildare, and Mr. A. Thornton, Enniscorthy. In the first game, an eighteen holes strokes, the winners were Mr. F. J. Roche (6), 71, and Mr. G. J. Britton (23), 72, who was the runner-up. In an eighteen holes bogey competition which followed the results were as follows: 1, A. Walsh (14), all square; 2, T. J. Lynch (6), 1 down; 3, B. R. Smith (7), 1 down. Mr. A. W. Hughes (captain) presided later at supper. Mr. F. J. Roche proposed, and Mr. Britton seconded, a vote of thanks to the donors of the prizes, to which Mr. Such responded. A vote of thanks to the golf club proposed by Mr. Walsh, and seconded by Mr. T. J. Lynch, was replied to by Mr. M. Costelloe on behalf of the Royal Dublin Club.

## COMPANY NEWS

CRANSTON & DELF, LTD. (P.C.).—Capital £100. Chemists and druggists, etc. R.O.: 17 High Holborn, London, W.C.1.

FYLDE LABORATORIES, LTD. (P.C.).—Capital £4,000. Manufacturers of and dealers in medicines, drugs, etc. Samuel Vernon and William H. Goode, directors. R.O.: 1 Cannal Street, Deepdene, Preston, Lancs.

GLOBESTOS, LTD. (P.C.).—Capital £1,000. Manufacturing chemists, etc. William T. Grey, John G. Knight and Edward G. Morgan, directors. R.O.: 14 Mirador Crescent, Slough, Bucks.

W. G. & J. A. HARRIES, LTD. (P.C.).—Capital £1,000. Chemists, druggists, etc. William G. A. Harries and Joseph A. Harries, directors. R.O.: 31 Bridge Street, Laverfordwest.

ESSENTIAL EQUIPMENT CO. (OXFORD), LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in water softening apparatus and fittings, etc. R.O.: 29 Western Road, Oxford.

AIR FRESH, LTD. (P.C.).—Capital £10,000. Manufacturers of and dealers in odorant preparations, disinfectants and chemicals, etc. R.O.: 18 Essex Street, London, W.C.2.

LEADING LADY BEAUTY PREPARATIONS, LTD. (P.C.).—Capital £100. To carry on the business indicated by the title. Helene Heyton and Elma Graham, directors. R.O.: 74 Burton Road, Derby.

WARNER CHEMICAL CO., LTD. (P.C.).—Capital £15,000. To carry on business as indicated by the title. Ernest W. Geere, director. R.O.: 92 Victoria Street, London, W.1.

AMERICAN BRITISH CHEMICALS, LTD. (P.C.).—Capital £100. Manufacturing chemists, etc. Vera W. Bull, director. R.O.: Copthall House, Copthall Avenue, London, E.C.2.

FRAGRANT FOUNTAINS, LTD. (P.C.).—Capital £100. Manufacturers and sellers of perfumes, cosmetics, etc. Directors are to be appointed. Solicitors: Marshall & Hicks Beach, 10 New Square, London, W.C.2.

MCAUSLAN & FERGUSON CHEMICALS, LTD. (P.C.).—Capital £100. Industrial chemists, chemical manufacturers, etc. James M. Ferguson and Alastair T. McAuslan, directors. R.O.: 70 Robertson Street, Glasgow, C.2.

CALVERT & SON (CHEMISTS), LTD. (P.C.).—Capital £1,000. To acquire the business of chemists carried on by Alan G., and Lorna K. Pates at King Street, Belper, Derby, as "Calvert & Son." Alan G., and Lorna K. Pates, and Kenneth Hodgkiss, directors. R.O.: 46 King Street, Belper.

W. J. H. EWINS, LTD. (P.C.).—Capital £5,500. To acquire the business of a chemist and optician formerly carried on by the late Ronald E. Williams at 1 Church Street, Abertillery, Mon, as "Gwent Pharmacy." Cyril D. Gething and William J. H. Ewins, directors. R.O.: As above.

BRITEX (SCIENTIFIC INSTRUMENTS), LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in optical, surgical and scientific instruments, etc. Charles S. Pyser and Edgar Chandler, directors. R.O.: 523-4 Bank Chambers, 329 High Holborn, London, W.C.1.

JOHN F. H. BANNER, LTD. (P.C.).—Capital £3,500. To acquire the business of a chemist and druggist now carried on by John F. H. Banner at 5 Darlington Road, Ferryhill, co. Durham, as "J. F. H. Banner." John F. H. Banner and Thomas C. Dobbin, directors. R.O.: as above.

BALKWILL & CO (CHEMISTS), LTD. (P.C.).—Capital £5,000. To acquire the business of a chemist carried on by Bernard T. R. Shelton at 5 Bedford Row, Tavistock Road, Plymouth, as "Balkwill & Co." B. T. R., and Marion E. Shelton, and E. C. Burrow, directors. Solicitors, Albert Gard & Ruse, Plymouth.

W. & G. LAY, LTD. (P.C.).—Capital £3,000. To acquire the business of a bottle and glassware manufacturer and dealer now carried on by George E. Lay, as "W. & G. Lay" at 19 Beethoven Street, Paddington, London, W.10. George E., George M., Constance M., and Hilda C. Lay, directors. R.O.: As above.

W. J. BUSH & Co., LTD.—Dr. Percy C. C. Isherwood, chairman and managing director, in a statement circulated with the report, said, *inter alia*: "I am pleased to report that our branches and subsidiaries throughout the world have maintained a satisfactory position. I would like to express the cordial thanks of the board to all members of the staff, both at home and abroad, for their loyal support and hard work throughout the year." A final dividend of 8 per cent., making 12 per cent. for the year, was approved.



## H. G. WELLS AS SCIENTIST

By Kalamos

**I**N his seventy-nine years of life Herbert George Wells, whose death was announced in last week's issue of *THE CHEMIST AND DRUGGIST*, became one of the world's most widely read authors. During half a century he continued to pour out an unceasing stream of books and articles on many subjects, sometimes issuing two or even three volumes in a single year. Yet there was a traceable unity in this amazing versatility. If we are to understand Wells's attitude to life, we must take account of his early training in biology, leading to his graduation as Bachelor of Science in the University of London and eventually to the D.Sc. and the honorary D.Litt. of the same authority. It is this aspect of his career that may appropriately be considered here.

### Connexion with Pharmacy

We have not far to search for the facts of his life. In 1934 he published his "Experiment in Autobiography," a captivating narrative in two volumes. Born of comparatively poor parents at Bromley, Kent, he appears to have had a dreary childhood. After an indifferent schooling he was sent on trial, with a view to apprenticeship, to a firm of drapers at Windsor. There he spent some unhappy weeks in the cash desk, being finally released or discharged, after consultation with his relatives, on the alleged ground of incompetence in the duties expected. Next he was for a brief period a teacher at a school at Wookey, Somerset: this episode was followed by a month in a pharmacy. The story may best be continued in his own words:

"I do not know how my mother hit upon the idea of making me a pharmaceutical chemist. But that was the next career towards which I (and my small portmanteau) were now directed. I spent only about a month amidst the neat gilt-inscribed drawers and bottles of Mr. Cowap at Midhurst, rolled a few score antibilious and rhubarb pills, broke a dozen soda-water siphons during a friendly broom fight with the errand boy, learnt to sell patent medicines, dusted the coloured water bottles, the bust of Hahnemann (indicating homœopathic remedies) and the white horse (veterinary preparations), and I do not think I need here devote very much space to him and his amusing cheerful wife, seeing that I have already drawn largely upon this shop, and my experiences in it, in describ-

ing aunt and uncle Ponderevo in "Tono Bungay." Cowap, like Uncle Ponderevo, really did produce a heartening Cough Linctus, though he never soared to my hero's feat of commercial expansion. . . . I came to the conclusion that the fees and amount of study required would be quite beyond my mother's limited resources. I pointed this out to her and she saw reason in the figures I gave her."

In taking leave of pharmacy the distinguished author added: "I was reluctant to abandon this start because I really liked the bright little shop with its drawers full of squills and senna pods, flowers of sulphur, charcoal and suchlike curious things. . . ." A deficiency in his schooling, resulting in ignorance of Latin, "came to light at the mere suggestion that I should be a chemist." It was corrected by sending him to Midhurst Grammar School for lessons in the language. After quickly mastering as much of it as he was taught he was relegated, by the irony or perversity of fate, to another draper's shop, this time at Southsea. So effectively did he rebel against the conditions there that his apprenticeship was cut short and he was allowed to join the teaching staff at Midhurst. By studying in his spare time he passed certain examinations so brilliantly that he was awarded a studentship at the Normal College of Science, South Kensington, and was accepted as a "teacher in training" under Thomas Henry Huxley.

### From Science to Authorship

That great biologist had, as his published writings amply testify, an almost unparalleled gift of lucid exposition, and the formative influence of his teaching on so eager and receptive a mind as Wells's must have been immense. It is permissible, I trust, to record a qualified regret that after graduating B.Sc. with first-class honours in zoology, and writing a textbook on biology, this acute intellect was lost to science. But so it turned out. A period as tutor was followed by another in free-lance journalism; then, in 1895, came the first big hit with "The Time Machine". There had long been a public for the romances of Jules Verne, born in 1828. "The Time Machine" imparted plausibility to imaginative speculations attached to scientific ideas. The remainder of his career is beyond my present scope.

## TOPICAL REFLECTIONS

### Science in Pharmacy

The place of applied science in the policy of the average pharmacist engaged in retail business is, in general terms, the subject of "C. B. H.'s" article "Biochemical Analysis and the Pharmacist" (p. 217) and of Mr. J. B. Ellard's letter on p. 216. Biochemical analysis is, as C. B. H. points out, a subject for which the pharmacists are prepared by their training. Your contributor holds that the kinds of analysis which general practitioners are likely to expect from a pharmacist can be started without a multiplicity of expensive apparatus. I was glad to read this statement; for chemical apparatus, like most other things, has become more costly of late, and it is reassuring to learn that the price of an initial installation for this kind of work is not prohibitive. One or two successes in reports will encourage the beginner to make discreet additions to his outfit and thus to build up a comprehensive analytical laboratory in due course. By systematic treatment a pharmacist in business can compete effectively with a distant analyst, the saving of the local doctors' time in dispatching specimens being a considerable factor in the pharmacist's favour. Mr. Ellard, writing from a different angle, advocates a similar policy. Fortune favours the bold; and in this matter chemists in business need not be too modest. After all, the technique of salesmanship at the front counter is an art they share with countless grocers, drapers, confectioners and other traders.

### A Turn of the Tide

As "Adest" has indicated, the *Pharmacopœia Londinensis* of 1746 has a peculiar interest for students of pharmaceutical history. On reading the preface one can clearly visualise the hesitation of the compilers, anxious to make a clean sweep of all the rubbish encumbering the 1721 P.L. and yet not daring to go quite so far. When they felt able to compress drastically, they did so; the ingredients of compound spirit of lavender were reduced in number from twenty-nine to five. (We of the twentieth century may well wonder what all the twenty-four ingredients were doing in the same plaster) and those of stomach plaster, from twenty-four to five. Henry Pemberton's comments, when he was not restrained by considerations of policy, were in favour of such reform. Concerning the 1746 tincture of senna, for instance, he wrote: "What directed the intention of the compilers of

the *Elixir salutis* of Bate, adopted by our former pharmacopœia, for which this is substituted, is not easy to guess." Two of the terms used in the book are worth a note. Pemberton stated that the 1746 linimentum saponaceum was intended as a "standard" opodeldoc, and added the words "one of the phantastical terms of Paracelsus's coining, though given by him to a plaster consisting of gums." This derivation is generally accepted. The other term referred to is the Latin for "pharmacy" in the quotation from the preface cited by "Adest." The compilers call it "medicamentorum apparatus," the preparing of medicaments. When the Latin word "apparatus" was taken into the English language it at first meant (I quote from the O.E.D.) "the work of preparing; preparation, preparatory arrangement, array." The signification "that which is used in preparing" was at that time secondary to the main meaning.

### Waste of Penicillin

Penicillin is still prominent, perhaps increasingly so, in your news; in last week's *C. & D.* I counted seven references to it—and I may have overlooked some. It has not found its way, to my knowledge, into the Trade Report yet, though that may follow. The paragraph headed "Unrestricted Penicillin" in your South African Notes (p. 218) is a reminder that we must expect much waste of this valuable substance. "Any person in South Africa," we read, "who has a notion that 100,000 units of penicillin will cure him of his aches can walk into a chemist's shop and buy the drug over the counter." Except in totalitarian countries, this undesirable state of affairs is likely to be repeated all over the world. High-pressure advertisers will get busy; bright young people will hold penicillin parties for the purpose of exploring the (convivial) uses of so universally acclaimed a medicament. Your paragraph from South Africa mentions the slight drawback that penicillin is administered by injection; but what of that? The fact "does not stop anxious mothers from persuading family doctors to administer the drug for children's minor hurts." It will not be long, presumably, before a special type of placebo based on this supposed panacea will become current among harassed prescribers. By then, or soon after, another bacteriostat may have been found to yield "dramatic" results, and the whole process of random publicity may begin again. **Xrayser**



## BIRTH

**FECHER.**—Recently, the wife of H. M. Fecher, a director of M. J. Fecher, Ltd., Slough, of a son (Christopher).

## MARRIAGE

**MACDONALD—WATSON.**—In Glasgow, recently, Kenneth MacDonald, Ph.C., 284 Great Western Road, Glasgow, to Betty Watson.

## DEATHS

**CORRICK.**—On August 15, Mr. A. E. Corrick, for forty-four years representative in London and Home Counties for Ernest Jackson & Co., Ltd., Crediton, Devon.

**FIELD.**—On August 11, Mr. John Faram Victor Field, 24 Wennington Road, formerly of 70 Eastbourne Road, Southport, Lancs, aged seventy-five. Mr. Field qualified as a chemist and druggist in 1896.

**JAMES.**—Recently, Mr. Aubrey Arthur James, M.P.S., 49 Canterbury Road, Farnborough, Hants. Mr. James qualified in 1941.

**LAWSON.**—At Helior Holm, Bellshill, Lanarks, on August 12, Mrs. Mary Salmond Lawson, widow of the late Mr. William Lawson, J.P., M.P.S., Bellshill.

**NELSON.**—On August 13, Mr. Ernest Louis Nelson Nelson, Ph.C., (A. Nelson & Co., Ltd., chemists, 73 Duke Street, Grosvenor Square, London, W.1) Byrchehurst, Burchetts Green, nr. Maidenhead, Berks, aged seventy-three. Mr. Nelson qualified as a chemist and druggist in 1895 passing the Pharmaceutical Chemist examination in the same year. He succeeded to a business founded by his father.

**READ.**—During internment in Malaya, Mr. Frederick Edward Read (Department of Chemistry, Straits Settlements, Singapore) formerly of Harrow and Greenwich. Mr. Read qualified as a pharmaceutical chemist in 1933 and for a time was a demonstrator in the college of the Pharmaceutical Society.

**REID.**—On August 4, Mr. Maurice Sidney Reid, M.P.S., 22 Tyrone Road, Westcliff-on-Sea, aged forty-one. Mr. Reid qualified in 1928.

**SKEAT.**—Recently Mr. Charles Skeat, M.P.S., 14 Stannards Road, Ponders End, Middlesex. Mr. Skeat qualified as a chemist and druggist in 1897.

## WILLS

**MR. EDGAR CURTIS, M.P.S.,** 99 Brook Green, London, W.14, left £93.

**MR. DAVID COLVIN TAIT, M.P.S.,** 40 St Johns Road, Wrexham, Denbighs, left £1,273, with net personalty £441.

**MR. ARTHUR SCOTT, M.P.S.,** 54 Falsgrave Road, Scarborough, Yorks, left £4,360, with net personalty £2,671.

**MR. MICHAEL EDWARD SWAN, M.P.S.** West Bracklesham, nr. Chichester, left £2,508, with net personalty £937.

**MR. JOHN CLEMENT LEWIS RYVES, M.P.S.,** 274 Sheffield Road, Tinsley Sheffield, left £5,756, with net personalty £5,118.

**MR. PERCY AULT, M.P.S.,** 30 Blenheim Road, Durdham Park, Bristol, formerly of Glen-yr-afon, Usk, Mon, left £23,075, with net personalty £21,226.

**MR. JOSEPH GALE, M.P.S.,** 28 Harewood Avenue, Bournemouth, formerly of High Street, Selsey, Sussex, left £4,708, with net personalty £4,292.

**MR. CHARLES JOHN TAYLOR, Ph.C.,** May Bank, High Street, Cranbrook, Kent, formerly of Cheriton, Folkestone, left £6,832, with net personalty £2,821.

**MR. BERTRAM THOMAS, M.P.S.,** Ben Hay, Llantarnam Road, Cwmbran, Mon, and 23 Commercial Street, Cwmbran, left £4,068, with net personalty £1,782.

**MR. ARTHUR JAMES GIBSON, 53 Larchfield Avenue, Newton Mearns, Glasgow,** manager in Scotland for Bovril, Ltd., left £7,316, with net personalty £6,626.

**MR. JOHN ARCHIBALD BALMFORD, M.P.S.,** 1161 London Road, Alvaston, Derbyshire, formerly of 43 Tontine Street, Folkestone, left £2,873, with net personalty £2,737.

**MR. RUSSELL JAMES COLMAN, Crown Point, Trowse, Norwich,** formerly director of J. & J. Colman, Ltd., left £1,034,880, with net personalty £993,376. He left £3,000 to Norfolk and Norwich Hospital.

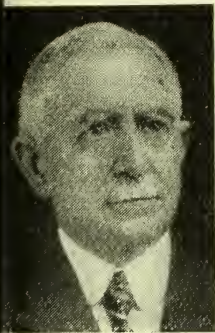
**MR. SAMUEL WALTER WILKINSON, 119 Roman Road, Birstall, Leics,** formerly founder of S. W. Wilkinson & Co., pharmaceutical engineers, Western Road, Leicester, left £10,799, with net personalty £8,637.

**MR. JOHN ALBERT ALBAN ATKIN, M.P.S.,** 234 West End Lane, London, N.W.6, left £31,197, with net personalty £28,669. He left £50 to the Benevolent Fund of the Pharmaceutical Society of Great Britain.

## PERSONALITIES

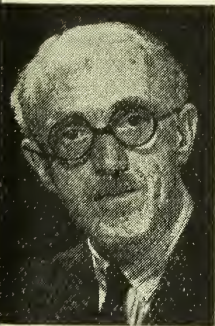
MISS HELEN CAMPBELL, M.P.S., Milnarthort, Kinross-shire, is shortly going to Livingstonia as a missionary.

MR. A. J. FRANKLIN, M.P.S., has retired recently at the age of eighty after being in the business of Franklin & Co. (Brighton), Ltd., chemists, Brighton, for fifty-six years. Mr. Franklin was for three years president of the Brighton Association of Pharmacy while his other achievements include being a founder member of the Brighton Rotary Club (of which he



has been a vice-president); being Organiser of Alexandra Rose Day collection in the Brighton district from 1920-21; and a member of the Brighton Board of Guardians and Public Assistance Committee for fourteen years.

MR. E. W. BARSTOW is retiring from hospital pharmacy after being over thirty years at Charing Cross Hospital. Following his apprenticeship with Williams & Peters, of Tufnell Park, London, N.W. and a turn-over apprenticeship with Mr. Melhuish, Duke Street, Grosvenor Square, Mr. Barstow qualified at "The Square" under Professors Greenish and Crossley. In 1914 he was appointed assistant to Mr. Garbutt at Charing Cross Hos-



pital. From 1916, for four years, Mr. Barstow was in the Republic of Santo Domingo in the West Indies as pharmacist and pathologist in a medical practice. In 1920 he returned to Charing Cross Hospital and has remained there until the present time. In 1943 he was appointed co-chief pharmacist with Mr. T. D. Whittet. Mr. Barstow has been a member of the committee of the Western Pharmacists' Association and for the past

two years has been joint secretary (with Mr. J. Moore) of the Guild of Public Pharmacists. Mr. Barstow's friends in the Guild will be interested to know that he expects to continue his work for that organisation, in which his interest is unabated. All communications (Guild or otherwise) should be sent to his private address—30B Nevern Place, Earls Court, London, S.W.5.

MR. C. W. BALLARD, Ph.C., 26 Parkstone Avenue, Hornchurch, Essex, has graduated B.Sc. with first-class honours in chemistry. Mr. Ballard is at present employed in the analytical department, May & Baker, Ltd., Dagenham.

MR. T. D. WHITTET, Ph.C., D.B.A., has been appointed chief pharmacist at Charing Cross Hospital, and Mr. J. BARCLAY HOUGH, M.P.S., formerly of the Royal Gwent Hospital, Newport, Mon., has been appointed first assistant pharmacist.

## BUSINESS CHANGES

GLAXO LABORATORIES, LTD., are establishing a factory at Ulverston, Lancs.

HUGH JARVIE & Co., LTD., have opened an export department at 10 Portman Street, London, W.1.

MR. S. H. VEALE, M.P.S., has been appointed to the pharmacy department of the Plymouth Co-operative Society, Ltd.

MR. J. A. BROWN, M.P.S.N.I., has purchased the pharmacy of Mr. J. W. McKay, Greencastle, Belfast.

C. R. HARKER, STAGG & MORGAN, LTD., have opened reception offices at 8 St. George Street, Hanover Square, London, W.1 (Telephone: Mayfair 4323).

LESLIE MARKS & Co., LTD., importers and exporters, have moved to their new offices and warehouse at 7-9 Earlham Street, Shaftesbury Avenue, London, W.C.2. Telephone: Temple Bar 6135.

D. MAWDSLEY & Co., wholesale druggists, whose premises were demolished during the war, have now re-established a central headquarters (offices, warehouses, showrooms and trade counter) at 64 Faulkner Street, Manchester.

THE ARTHOL MANUFACTURING Co., LTD., Sealand Road, Chester, state that plans have been passed by the Ministry of Works and work will shortly commence on building extensions to the compounding laboratories and packing rooms. New plant is to be installed and additions to the existing distillation plant have been approved.



## TRADE NOTES

**Shorter Working Week.**—Nearly 400 workpeople employed by Oxo, Ltd., Hartley Street Mill, Blackburn, are benefiting by a cut in the working week from forty-eight to forty-four hours.

**In Increased Supply.**—Kay Brothers, Ltd., Kayborough, Reddish, Stockport, list in an announcement in this issue a number of the company's preparations which are in growing supply.

**Available for Medicinal Purposes.**—Rayner & Co., Ltd., London, N.18 state that Lembar is now available for medicinal purposes through chemists. Lembar is used as an antacid and in febrile conditions.

**A Waiting List.**—Cresswell Bros. and Marks (International Sponge Importers, Ltd.), 5a Buck Street, Camden Town, N.W.1, invite chemists to have their names added to a list "for earliest possible delivery of sponges and chamois leathers."

**Perfumery Materials.**—Anglo-Dutch Pharmaceutical Co., Ltd., 110 Dale End, Birmingham, 4, offer genuine oil of lavender, oil of almonds, Wyn-o-sprite perfumers' spirit, henna leaves and other items, as well as 2-dr. perfume bottles, six gross to a case.

**Again Available.**—Calsiod tablets, which were discontinued for some months on account of technical difficulties in production, are now again available from the manufacturers, Menley & James, Ltd., 123 Coldharbour Lane, London, S.E.5, either direct or through trade wholesalers.

**Hypodermic Tablets.**—In directing attention to Umney's hypodermic tablets, the manufacturers, Wright, Layman & Umney, Ltd., 44-45 Southwark Street, London, S.E.1, state that every possible precaution is taken at all stages of production to ensure the highest standards of purity and sterility.

**Reduced Prices.**—Roche Products, Ltd., Broadwater Road, Welwyn Garden City, Herts, have reduced their trade and retail prices for the following products: Ephynal, tablets 10 mgm. (new strength) and tablets 20 mgm. forte; Ephynal, ampoules 30 mgm. (new issue); Beflaviv, ampoules 10 mgm. Details may be obtained on application to the company.

**For Prompt Delivery.**—D. Bee Food Products, Ltd., New Charles Street, London, E.C.1, offer, for prompt delivery, honey, glycerin and lemon cough linctus,

flavouring essences, etc.; chemists should apply for trade terms to the manufacturers. The distributors in Scotland and Northern Ireland are Pharmaceutical Distributors, Ltd., 187 St. Vincent Street, Glasgow, C.2.

**Bonus Offer.**—Full details are given in this issue of an offer, available until September 5, of free shampoos with one gross of Evening Glory soapless shampoos, a product which is being nationally advertised by the manufacturers, Carl Mumby (Productions), Ltd., Cleethorpes, Lincs. Orders should be forwarded to the selling agent, Charles H. S. Blakey, Scotter Common, Gainsborough.

**Photographic Accessories.**—New photographic items introduced by S. Y. F. T., Ltd., 56 George Street, Baker Street, London, W.1, include a universal frame viewfinder, conversion sets for colour films, luminous darkroom labels and, for export, a combined water-softener and wetting-agent, a silver-plating solution, and other preparations described in a detailed price list obtainable from the makers.

**Cold Hair-wave Outfit.**—Attention is drawn in this issue to a newly introduced Pin-up cold "perm-wave" outfit for which the sole distributors to pharmacists are S. Maw & Sons, Ltd., Aldersgate House, New Barnet, Herts. A 16-page instruction booklet is included in each outfit, which is claimed to enable customers to give themselves "a perfect perm" at home without heat or appliances.

**Insecticidal Smokes.**—Imperial Chemical Industries, Ltd., Nobel House, London, S.W.1, announce the introduction of Gammexane smoke generators, for which patents are being sought. Gammexane is dispersed from the generators as a fine smoke, which deposits an insecticidal film over exposed surfaces. The deposit is highly toxic to bed bugs, cockroaches, flies, mosquitoes, moths and other insect pests. The generators are issued in 2-oz. pellets and 1-lb. canisters, and no apparatus is required.

**"Smaller - dosage" Sulphonamide.**—Sharp & Dohme, Ltd., Hoddesdon, Herts, have introduced Sulfathalidine phthalylsulphathiazole, which they describe as a new, non-toxic, "smaller-dosage" sulphonamide for the treatment of colon infections. The new compound is indicated in the treatment of ulcerative colitis, regional ileitis, paratyphoid infections, etc., and as an adjunct



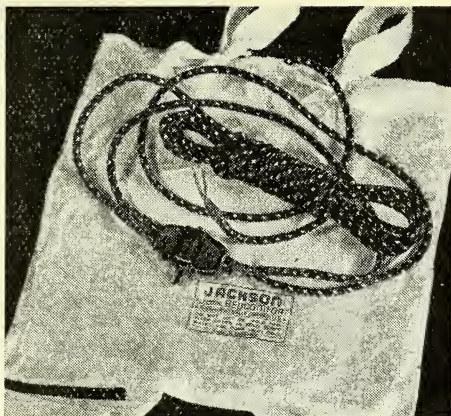
in intestinal surgery. The preparation is supplied in compressed tablets of 0.5 gm. in bottles of 100, 500 and 1,000.

**New Research Laboratories.**—Laboratories and premises at The Frythe, Welwyn, Herts, are to be used temporarily for research in biology, chemistry, and physics, by Imperial Chemical Industries, Ltd. Among the subjects to be studied are the antibiotic products of moulds; kinetics of continuous chemical reactions; and industrial toxicology; while work will also be done on the design of industrial instruments. These laboratories, to be known as the Butterwick Research Laboratories, are to function independently of all other research departments of the company.

**Photographic Competition Results.**—The following were the winners of Class 2 (animals) in the photographic competition organised by Burroughs Wellcome and Co.: 1st (£5 5s.), H. Lovatt, 119 Rockingham Street, Sheffield, 1, "Mute Appeal." 2nd (£3 3s.), Eric Lewis, 12 Alvanley Court, Finchley Road, N.W.3, "Just Three Kids." 3rd (£2 2s.), Miss B. Wagstaff, 1-21 Northwood Hall, Hornsey Lane, N.6, "Pattern." Ten consolation prizes of 10s. 6d. each and special consolation prizes were also awarded. The competition in other classes continues and increasing interest is shown each month. Approximately 1,500 prints were submitted for the first two classes.

**Price Alterations.**—Reduced retail prices for Sevenses cod-liver oil in 8-oz. and 16-oz. bottles are announced by BRITISH COD LIVER OILS (HULL & GRIMSBY), LTD., 101, St. Andrew's Dock, Hull, to take effect from September 30; stocks at the old prices should be cleared before that date. Reduced prices to chemists take effect on September 1, and the opportunity has been taken to introduce a new 6-oz. size.—JOHNSON & JOHNSON (GREAT BRITAIN), LTD., Slough and Gargrave, announce new retail and trade prices for Johnson's baby powder.—Increases in the prices of Liveroid and concentrated Oxo are announced by Oxo, LTD., Thames House, Queen Street Place, London, E.C.4; the new prices take effect on September 1.

**Electric "Bedcomfort."**—The Jackson Electric "Bedcomfort" is designed to give thermal characteristics and reliable thermostatic control, two thermostats being employed. The size is 12 inches square, with hygienic glass silk washable cover forming perfect electrical insulation. The switch



is 5 ft. from the pad, 18 ft. of flex being provided. It is rated at 35 watts, suitable for A.C. or D.C. and marketed in transparent envelope. Being flexible, the Bedcomfort can be applied in cases of localised pain. The manufacturers are S. B. Jackson, Ltd., Windsor House, Victoria Street, London, S.W.1.

## Proprietary Articles Trade Association

**Additions to Protected List.**—Ashley & Weeks, Ltd., Macaulay's bronchial concentrate, 11s. doz., tax 1s. 10d. doz., inclusive retail price 1s. 6d.; bronchial mixture for diabetics, 21s. 4d. doz., tax 3s. 6½d. doz., i.r.p. 3s.

Bell & Sons, Ltd.—George Bell's blood-purifying salts for dogs, ten powders, 4s. doz., tax 8d. doz., i.r.p. 7d.; twenty-five powders, 9s. doz., tax 1s. 6d. doz., i.r.p. 1s. 3d.; fifty powders, 18s. doz., tax 3s. doz., i.r.p. 2s. 6d. George Bell's cat powders, 10s. 4s. doz., tax 8d. doz., i.r.p. 7d.; 25's, 1s. 1½d., 9s. doz., tax 1s. 6d. doz., i.r.p. 1s. 3d.

Alterations.—Liquifruta Laboratory, Increased prices, September 1, Liquifruta, 11s. 3d. doz., tax 1s. 10½d. doz., i.r.p. 1s. 5d.; 27s. doz., tax 4s. 6d. doz., i.r.p. 3s. 4½d.

W. T. Owbridge, Ltd.—Owbridge's lung tonic, prices for Northern Ireland, 10s. 6d. doz., tax 1s. 9d. doz., i.r.p. 1s. 5d.; Eire, 1s. 3d., 10s. 6d. doz.

Parke, Davis & Co., Cascara evacuant, 1½ fl. oz., 22s. 8d. doz., tax 3s. 9d. doz., i.r.p. 3s.; 4 fl. oz., 50s. 6d. doz., tax 8s. 5d. doz., i.r.p. 6s. 6d.; 8o fl. oz. (for dispensing), 1s. 10d. oz., 74s. 3d. each, tax 2d. oz., i.r.p. 2s. 0z. Capsolin tube, 12s. 4½d. doz., tax 2s. 1d. doz., i.r.p. 1s. 8d.; Capsolin (dispensing), 1 lb., 7s. 10½d. lb., tax 1s. 4d. lb., i.r.p. 1s. 0z.

R. J. Reuter Co., Ltd. No. 5035, 4711 matt creme, tubes, 10s. 6d. doz., tax 10s. 3d. doz., i.r.p. 2s.; No. 5155, 4711 cold cream, tubes, 10s. 6d. doz., tax 10s. 3d. doz., i.r.p. 2s., subject to usual trade terms; Nos. 9066 matt creme and 9166 cold cream will continue to be packed in jars.

Whitaker & Co., Ltd., Luton straw-hat dyes, standard size, 1s., 9s. doz. (exempt from tax), less 5 per cent. for cash in seven days.

Deletions.—Enzyme Products, Ltd., Enzyme digestive tonic powder; Enzygene effervescent Carlsbad salts with added pancreatic enzymes.

## RECONVERSION PROGRESS

THE following information on the progress in reconversion and civilian industrial expansion appeared in the "Board of Trade Journal" (August 10, p. 1069):—

### Toilet Preparations

During the war control of the toilet preparations industry began in 1940 and the system adopted was the restriction of the quantities supplied by both manufacturers and wholesalers. After several intermediate stages the system of control was changed to one of controlling production by means of the licensing of manufacturers. The licensing policy adopted restricted manufacturers to a percentage (now 50 per cent.) of their home trade during the standard period running from June 1, 1939 to May 31, 1940. Firms who entered concentration schemes were given licences amounting to 75 per cent. of their standard period figures.

Sales by value in £ thousands are shown below:—

	1935	1941	1942	1944	1945
Controlled toilet preparations	5,897	5,608	5,965	6,097	6,774
Percentage exported	14.5	31	19	20	21

Annual rates on the same basis were: October-December, 1945, controlled toilet preparations, 7,768; percentage exported, 29. January-March, 1946, controlled toilet preparations, 8,376; percentage exported, 36.

The present rate of licensing among about 650 registered and licensed manufacturers is about £6.2 millions per annum. It is hoped that exports during the year will reach a figure of £3,000,000. In order to encourage exports the toilet preparations export bonus scheme was launched in February, 1946. This grants to individual manufacturers additional home trade in direct proportion to their export performance.

Employment figures in the industry at the beginning of the months named (part timers counted as half) were:—

	1935	1945	1946
(estd.)	Jan.	July	Oct. Jan. April
On controlled toilet preparations ...	6,300	2,944	3,401 3,616 4,614 4,534

### Photographic Materials

The production of sensitised photographic materials was altered in character, but on the whole expanded during the war.

While the "amateur" side of the trade was reduced under the Limitation of Supplies Order, which is no longer in operation, to less than a quarter of what it had been, there was a large increase of production for war purposes, e.g., aerial reconnaissance, industrial photography, etc. The wide gap between the 1935 value of £3.5 million and the current figure of £6.7 million largely represents an actual expansion in production, since the average price rise over the various types of sensitised goods has been comparatively small.

## ECHO OF PHARMACIST'S 1902 BEQUEST

It appears likely that Dolgoch ravine and waterfalls, Towyn, Merioneth, a property bequeathed to the townspeople of Towyn in 1902 by the late Mr. R. J. Roberts, M.P.S., may have to be handed over to the National Trust. Members of the local council, who are trustees of the estate by virtue of their office, are at present considering whether to take that step, as the revenue is inadequate to meet the expense of extensive repair and development works which are becoming necessary. The Dolgoch property includes three waterfalls and about five miles of woodland walks, its sequestered glades being recognised as of outstanding beauty. The ravine is visited annually by thousands of holiday-makers, and the trustees, who would like to fix a nominal charge for admission, are debarred from doing so by the terms of the bequest, which the Charity Commissioners contend prohibits such a course. The attractions of the beauty spot, they say, are free for the enjoyment of all.

The gift was recorded in *THE CHEMIST AND DRUGGIST*, May 31, 1902, when it was stated that Mr. R. J. Roberts, Medical Hall, Towyn, "has made practically a free gift to that town of Dolgoch estate, with its beautiful ravines, waterfalls and glens. The property is nearly 250 acres in extent." Mr. Roberts, who commenced business as a chemist in the town in 1867, was born in Hwylfragoes, Dyffryn, Ardudwy, Merioneth. A year after commencing business he was admitted to the register of chemists and druggists. For many years a member of the local Board of Health, Mr. Roberts took a prominent part in defending common and other public rights at a time when encroachments were being widely threatened. He died on June 25, 1902, at the comparatively early age of fifty-eight.



## ULSTER CHEMISTS' ASSOCIATION

MR. T. A. GIBSON (president) was in the chair at the monthly meeting of the Executive Committee of the Ulster Chemists' Association held recently. Mr. J. McCLENAHAN (secretary) reported that, as directed, he had sent out a circular letter to Belfast chemists concerning the new Shops Act, and that a substantial majority of members had replied in favour of a 6.30 p.m. closing order, with the late night 7 p.m., and of a rota for late duty from 8 p.m. to 9 p.m. A subcommittee was appointed to complete arrangements for the rota and for taking the necessary referendum to be submitted to the local authority in accordance with the arrangements.

### Interim Payment by Ministry

It was reported that the Ministry of Health, in response to representations by the Association, had made a payment approximating to two months' Insurance dispensing remuneration to each contracting chemist to offset the delay in pricing National Health Insurance prescriptions. A letter was read from a country member asking for the help of the Association in arranging an increase in the salary he received as a part-time dispenser in a public institution. The letter sent by the secretary, stating that the matter had not yet been settled, was approved by members present at the meeting.

The secretary was instructed to obtain further quotations for the printing of a new issue of the U.C.A. retail price list and to place an order, in consultation with the president and treasurer. THE PRESIDENT stated that, as previously arranged, he and Mr. McClenahan would attend the September meeting of the Chemists' Friends Council in London.

### New Members

The following new members were elected: Messrs. J. A. Brown, G. Johnston, J. D. McCafferty, N. C. Cooper, J. G. Collen, John Ball, and J. J. McNamee. Associates: Messrs. G. G. McAteer and A. G. Bryson (assistants), and Messrs. J. J. Kelly and T. M. Loughrey (apprentices).

Later, at a meeting of the subcommittee appointed to deal with the closing order, it was agreed that immediate steps should be taken to secure signatures of Belfast chemists to a request for the time to be fixed at 6.30 p.m. Arrangements were completed for the rota, Belfast being divided into fourteen districts with ten to twelve chemists in each.

### Associates' Meeting

At the August meeting of the Committee of the Associates' Section of the Ulster Chemists' Association at which Mr. M. D. Moore (chairman) presided, it was reported that, following the joint council meeting, the agreement regarding indentured apprenticeship had been sent to the National Arbitration Tribunal for formal approval (which was later signified).

MR. E. G. MACKLE reported that employees in Armagh, Portadown and Dungannon were interested in the Associates' Section and he undertook to arrange a meeting in Portadown on September 4 for the purpose of forming a local branch.

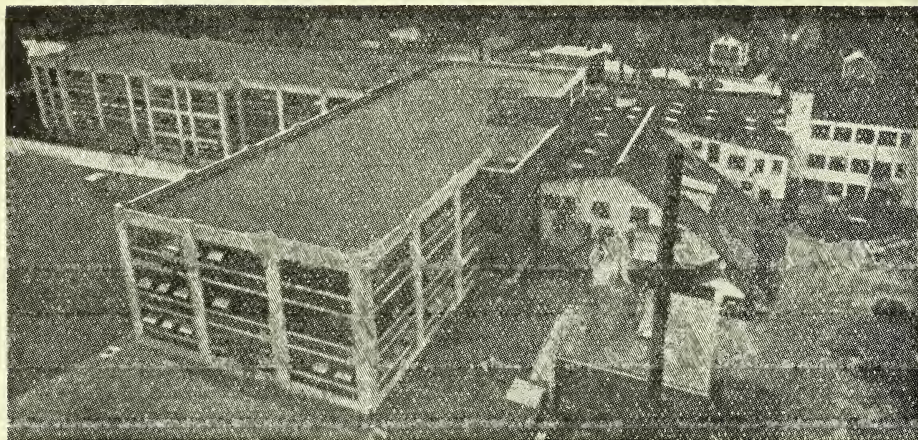
On the proposal of Mr. J. G. McGIVERN, seconded by Mr. E. B. WILLIAMSON, the following applications for Associateship were approved: *Pharmaceutical Chemists*: Miss E. L. Sweeney, Messrs. G. Russell and V. J. Elliott. *Assistant*: Miss D. Swinerton. *Apprentices*: Messrs. W. A. Hassard and L. J. Corrigan.

### Possible Hardships

A discussion followed regarding the position of apprentices registered before June 1, 1946, as it was felt that they might be caused hardship. It was decided that the position of apprentices registered before June 1, 1946, should be taken up with the Minister of Labour, the Joint Council of the U.C.A. and the Council of the Pharmaceutical Society.

**Wax From Peat.**—The use of peat wax for industrial purposes is suggested in a pamphlet issued recently by the Department of Scientific and Industrial Research. The Department made a survey of wax-bearing lignite and peat in Great Britain with the object of finding an indigenous source of ester wax of high melting point. Lignite from the Bovey Tracey deposits contained about 5 per cent. of crude wax soluble in benzene, while peat deposits in England and Scotland yielded 3 to 12 per cent. to benzene, and more to alcohol or alcohol-containing solvents. Crude lignite wax is a dark brown, brittle solid, with a melting point of about 80°C., the crude peat wax being similar but having a lower melting point. The wax was originally required as a substitute for montan wax. Copies of the pamphlet (Fuel Research, Technical Paper No. 52) may be obtained from H.M. Stationery Office, London, W.C.2, price sixpence.





## POND'S EXTRACT—1846-1946

**T**HE British House of Pond's was opened in 1872 at 482 New Oxford Street, London, as the principal European depot for the American company which had been manufacturing the well-known Pond's Extract since 1846. While the origin of witch hazel is bound up with the history of North America, and has been the subject of numerous legends, it is claimed that production of the extract on a large scale was carried out by Dr. Theron Pond, of Clinton, Connecticut, exactly one hundred years ago. The illustration above includes the original manufactory, a wooden structure, beside which has been

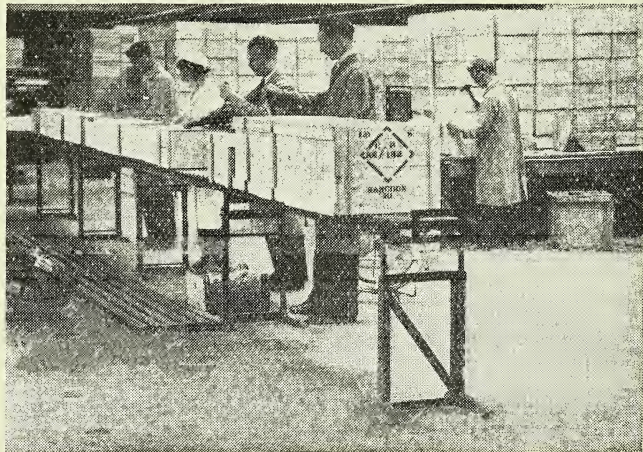
built the modern factory, now producing hundreds of thousands of gallons of witch hazel for sale in America and throughout the world.

### The British House

Important dates in the history of Pond's Extract Co., Ltd., include 1872, when the British House was opened; 1905, in which year the well-known Pond's vanishing cream was introduced; and 1906, which saw the marketing of Pond's cold cream. Other items now sold regularly by chemists followed in due course. Manufacturing was commenced in this country in 1932

*Top:* Aerial view of factory at Clinton, U.S.A. Witch hazel was first produced in 1846 in the small wooden building on the right, behind the power house

*Right:* A recent view of part of the export dispatch department at Pond's Perivale factory







## BRITISH PHARMACEUTICAL CONFERENCE 1946

## SCIENCE PAPERS

(Continued from THE CHEMIST AND DRUGGIST, August 17, p. 207)

THE following are abstracts from papers presented at the British Pharmaceutical Conference, 1946, held in London in July.

### The Testing of Drugs and Pharmaceutical Preparations for Sterility; A New Technique

By G. E. DAVIES AND A. G. FISHBURN

#### [ABSTRACT]

A method of sterility test which eliminates the possible bacteriostatic action of the substance under test has been worked out. The principle of the test is to culture a filter pad through which part of the material has been filtered; any organisms present in the fluid before filtration are retained on the pad and at the same time are separated from their original medium which may possess bacteriostatic properties. This work has been concerned mainly with the study of synthetic drugs, but the principle of the method is capable of general application to medicinal preparations. A series of tests was carried out for aerobic and anaerobic bacteria on drugs supplied by various manufacturers in powder form, and in ampoules. It was found that filtration was more sensitive than the "dilution" test in detecting bacterial contamination, and that drugs issued as suitable for injection, may contain living bacteria.

In order to apply filtration to oils it was first necessary to discover a bacteriologically inert solvent which would render the oil filterable. Light petroleum (boiling point 80° C. to 100° C.) and benzene were selected for preliminary experiments, and it was found that when an oil of medium viscosity, e.g., arachis oil, was mixed with an equal volume of either of these solvents, it could be filtered rapidly through a Sterimat. To test for antiseptic action, one drop of a twenty-four-hour culture of a selected organism was added to 5 mls of each solvent, which was then filtered and the pad incubated. Both *Staphylococcus aureus* and *Bacterium coli* could be recovered from light petroleum, but neither from benzene. The former was therefore selected and numerous subsequent tests have confirmed its suitability.

Tests were carried out on commercial samples of iodised oil (labelled "sterile") and of six samples tested, all from the same

maker, four were shown by the filtration method to be contaminated and it was shown that filtration is more sensitive than the shaking method in detecting contamination by dry organisms, and bacteria may be found in liquid paraffin, and also in iodised oil. (From the Pharmaceutical Research and Service Laboratory, Imperial Chemical Industries, Ltd.)

#### DISCUSSION

MR. R. MAXWELL SAVAGE queried the efficiency of the Seitz filter pads when using non-aqueous solutions, as he suggested that the bacteria-filtering properties of the pads might be connected with swelling of fibres on contact with water. Had the authors tested non-aqueous filtrates for sterility? Bacteriostatic compounds like acridine antiseptics would be adsorbed by the pad, and would tend to vitiate observations.

DR. BULLOCK suggested that petroleum ether had little effect on spores. The experiments should have been quantitative.

MR. BROWN asked if other types of filter had given similar results.

MR. DAVIES, in reply, stated that the method was not the last word for sterilising oils, but that it was an advance on existing methods. There had never been found any contaminant in oils. The advantage of Seitz filter was that it might be used repeatedly.

### Mixed Alkaloids of *Hyoscyamus Muticus*; A War-Time Application

By G. AMOR, G. E. FOSTER, MRS. A. M. GREEN AND D. STEPHENSON

#### [ABSTRACT]

At one period during the recent war, supplies of atropine, possibly in large quantities, were urgently needed for ophthalmic use by the three fighting services. Owing to the high cost of atropine it was necessary to find, at short notice, a relatively cheaper substitute. A suggestion to use the mixed alkaloids of *Hyoscyamus muticus* was explored. The chief alkaloid of *H. muticus*, which is indigenous to Egypt, and may contain up to 1 per cent. of total alkaloids, is *l*-hyoscyamine. The presence of tetraethyl-diaminobutane has been reported, and there are doubtless other unidentified bases amongst the total alkaloids. A suitable preparation for clinical trial was obtained by



converting the total alkaloids, as obtained during the early stages of the manufacture of atropine, into sulphate. The mixed sulphates contained about 80 per cent. of total alkaloids, calculated as hyoscyamine, the specific rotation of which indicated that about 90 per cent. of the bases consisted of *l*-hyoscyamine. The panel of ophthalmic specialists associated with the Ministry of Supply approved the use of the preparation and recommended that a solution containing the equivalent of 1 per cent. w/v of total alkaloids should be applied to the eye by means of a dropper. The problem of presentation raised by the approval of the mixed sulphates had to be approached with due regard to the conditions under which the preparation was likely to be used. The form finally adopted was a solution tablet and many thousands were supplied to the armed forces. A specification to which all the tablets conformed is given in the paper. It was found that material suitable for compression into tablets resulted when the sulphates were mixed with an appropriate amount of sodium chloride to afford an isotonic solution when one tablet was dissolved in 1 fl. oz. of water. The formula was:—

Mixed sulphates of <i>H. muticus</i> alkaloids			
(125.8 parts = 100 parts total alkaloid)	...	...	5.593 gr.
Sodium chloride in No. 60 powder	...	...	5.766 gr.
			11.269

Owing to the nature of the material the operators wore sterilised rubber gloves, goggles and respirators, while the granulation was carried out under a hood in order to protect the drug from the breath of the operators. The atmosphere of the work-rooms was maintained at a relative humidity of less than 40 per cent. at 70° F. throughout the granulating, compressing and packing operations. Dust extraction devices were employed. As a test of stability some of the solution was autoclaved for two hours at 15 lb. steam pressure. The resulting solution was compared with the unheated solution for its mydriatic effect on the rabbit pupil. The results show that there was little difference in the activities of the two solutions.

(From the Wellcome Chemical Works, Dartford, and the Wellcome Physiological Research Laboratories, Beckenham)

The paper was read by Dr. Foster.

#### DISCUSSION.

MR. H. FINNEMORE asked for the source of the specimens of *Hyoscyamus muticus* used and mentioned the failure to set up

machinery to collect and correlate information on the supply of Empire raw materials. Two varieties of *Duboisia* had been found in Australia containing 0.1 per cent. alkaloids, while in the Philippines these varieties contained as much as 1 per cent. alkaloids. *Duboisia* varieties growing twenty or thirty miles north or south of Sydney contained chiefly hyoscyamine, but north of this area the chief alkaloid content was of hyoscyne, present sometimes to the extent of 1.7 per cent. Another species was found to contain 3.8 per cent. hyoscyamine. The Empire contained "enormous potential stocks of solanaceous alkaloids not thought of before the war." The melting point of the picrate formed a useful distinction between solanaceous alkaloids.

MR. MITCHELL, London, asked if dermatitis had occurred in operatives handling these alkaloids.

MR. H. O. MEEK asked what was the percentage of hyoscyamine in the mixed alkaloids of *Hyoscyamus muticus*.

DR. FOSTER, in reply, said that *Hyoscyamus muticus* examined had been grown in Egypt. The Imperial Institute collected much information on the natural resources of the Empire, and he suggested that this service might be extended. The alkaloid content of *Hyoscyamus muticus* consisted of 90 per cent. *l*-hyoscyamine (as base), calculated on the optical rotation figure. There was a trace of volatile base which could be removed by heating the material for fifteen minutes.

## HERB CROP REPORTS

**Perks & Llewellyn.**—The lavender is just changing colour and the harvest will be a little later than last year. Some of the older plants were affected by frost and will give a late crop. This year the abundance of weeds has caused a great deal of work. Given a spell of sunshine, the crop should be good, but we do not anticipate that there will be any surplus oil.

**W. J. Bush & Co., Ltd.**—PEPPERMINT.—The total area is about the same as last year, approximately 100 acres, as the farmers must keep most of the land for food-stuffs. The crops are looking good as the latest rains have been beneficial. Harvesting takes place about the end of August. **LAVENDER.**—The same remarks apply to acreage and that which is being grown is for sale as bunches and very little for distillation. Total area amounts to approximately two acres. **CHAMOMILE.**—Very scarce—only about one acre for harvesting.

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VOL. CXLVI AUGUST 24, 1946 NO. 3472

## British Patent Law Reform

THE Joint Chemical Committee on Patents, which is composed of representatives of the various chemical organisations interested, has issued a Memorandum of Evidence which has been submitted to the Board of Trade Patent Committee. Part I of the memorandum was completed in September 1944 and Part II, which covers the wider aspects of Patent Law reform, was recently completed. Parts I and II have now been published as a single volume and copies may be obtained from the Secretary to the Joint Chemical Committee, 166 Piccadilly, London, W.1, price 3s.

The Memorandum deals in considerable detail with the reforms considered necessary in the Patents Acts, some fifty sections of which are affected. Extended proposals concerning third party rights have been included in the form of an addendum. A number of recommendations made in Part I of the memorandum have already been adopted and are included in the second interim report of the Departmental Committee. (Cmd. 6789.)

## Summary of Recommendations

The following is a summary of the recommendations contained in Part II of the Joint Committee's memorandum. There is developed a new criterion of subject-matter on the basis that every invention which is patentable must be a novel industrial application of a new discovery. Every inventor who seeks a patent must show that he has contributed some item of new know-

ledge to the art, and that his invention (which must be a "manner of new manufacture") is based on that new knowledge.

"Invention by selection" is defined on the lines of the Maugham judgement as modified by sixteen years of practical testing. An inventor must bring himself within the rules for "selection" if there is a prior disclosure or claim of his invention which is not merely a statement of *desiderata* but prescribes, though only in general terms, the substances, agencies or means by which his invention is affected. In these circumstances the requirements for patentability as a selection from the general disclosure or claim are (a) discovery of a previously unrecognised advantage shown by the selection and not common in the field of the general disclosure or claim, and (b) limitation to a manufacture based on that discovery. In addition there must, as usual, be novelty (the selected members must not have been specifically mentioned before), and adequate description of the invention (*i.e.* in this case, of the advantage which justifies the selection).

## Protecting the Product

It is suggested that the scope of "product claims" should be defined as protecting the product when made by the process described or by any process which is non-inventive over it. This would bring chemical inventions into line with other inventions, and if Section 38A (3) were incorporated in Section 27, Section 38A could be cancelled so far as concerns chemical inventions. Definitions of "chemical process" and "chemical invention" are proposed. A scheme for Empire patents is outlined, but the inherent difficulties of such an arrangement are recognised.

An important modification of opposition procedure is proposed in Part II, which includes (a) notification of anticipations without formal opposition, (b) filing of an agreed "Technology of the Case", (c) limitation of evidence to statements of facts to the exclusion of argument, leaving the cited documents to speak for themselves, and (d) limited extensions of time for filing evidence. Various detailed amendments of Section II, including the abolition of *locus standi* requirements, are suggested, and a separate section dealing with opposi-



tion on the grounds of "obtaining" and "prior user amounting to publication" is recommended.

### "Abuses of Monopoly"

Freedom of amendment within the scope of the original disclosure is also suggested in Part II. Amendments which enlarge the claims (always within the scope of the original description) should be allowed subject to third party rights, a new definition of which is proposed.

So far as patent licences are concerned, Part II suggests that the sanction of an infringement action should not be available for terms and conditions which are essentially of the nature of trade agreements, and the patentee should not be allowed to assert rights which extend beyond those granted by the Letters Patent. If this principle (which is accepted by the Swan Committee) is carried into effect, the feeble provisions of Section 38 become unnecessary and a stop is put to possible "abuses of monopoly". It is necessary, however, that every assignment and licence be registered and all terms and conditions be disclosed to the Comptroller, who should have power to open them to public inspection where he finds illegal conditions imposed. This power would be a salutary deterrent against the use of patents to impose a system of private commercial law.

### Miscellaneous Proposals

Amongst other proposals made in Part II may be mentioned: replacement of Section 27 by a new Section setting out the Rights and Obligations of a Patentee; general right of appeal from all decisions of the Comptroller; companies to be entitled to be sole applicants for patents; power for an applicant to withdraw a complete specification without abandoning the application; extension of provisional rights by post-dating up to six months; list of office citations to be printed at the end of specification; division of applications on initiative of applicants; printing of refused specifications with consent of applicant; general reduction of Patent Office service charges; availability of a duplicate of the office search files for public use; revision of Section 29 wording; correspondence with patent agents to be privileged.

## Committee on Scientific Instruments

AN Inter-Departmental Committee on the scientific instruments industry has been formed to deal with problems arising inside the industry. The committee was founded at the request of the Cabinet Home Affairs Committee. Panels have been set up within the Committee to review sections of the industry. One panel has been appointed to recommend what action should be taken to encourage development, to increase production to meet the estimates of existing and potential demands at home and abroad, and, generally, to put the industry on a sound economic basis.

It is essential that this panel shall be provided with up-to-date facts on the present capacity and development plans of all firms in the industry. Accordingly a questionnaire has been circulated asking for certain details of the production of furnace-blown, pressed and lamp-blown scientific glassware. All information given in the questionnaire will be treated as strictly confidential. Firms which have not received the questionnaire should communicate with the Secretary, Inter-Departmental Committee on Scientific Instruments (Scientific Glassware Panel), Room 700, Portland House, Tothill Street, London, S.W.1.

## Plan to Train Fijians as Chemists

ACCORDING to a report issued by the Colonial Office a proposal has been made to the Fijian Government that men of the islands should be trained locally as pharmacists who, when qualified, should serve in those places where it is uneconomical to employ highly paid men from Australia and New Zealand. The plan outlines a scheme whereby the Fijians could obtain full qualifications by serving their apprenticeship in Fiji, taking the Intermediate examination by correspondence, and then going to New Zealand for a brief period to study for, and to take, their Final examination.

At present the difficulty is that within the existing New Zealand law no one can qualify as a pharmacist unless the entire period of apprenticeship is spent in New Zealand. The sponsors of the scheme have suggested that the New Zealand Government might be asked if the law could be amended so as to make it possible for ap-

apprenticeship in Fiji to be counted for the purposes of qualification. Such conditions already exist in Australia where several of the States have provision in their laws for the consideration of candidates who have served their initial apprenticeship outside the State.

The Director of Medical Services, Fiji, supports the scheme and has pointed out that there are a number of posts in firms and in the Governments of the Western Pacific area which could be filled by Fijian men. An alternative proposal has been made that pharmacists should be trained locally in the same way as native medical practitioners receive their training in the island.

### Hydrolysate for Premature Infants

OVER 100 premature infants who were fed with a mixture of amino-acids in the form of an enzymic casein hydrolysate as a supplement to breast-milk, showed "a distinctly higher gain in weight" than would have been expected from breast-milk alone (Jorpes, Magnusson, and Wretling, Stockholm, in the "Lancet," August 17, pp. 228-32). A hydrolysate originally prepared for intravenous injection and sold under the name of Aminosol was used as the base for the amino-acid food—glucose, breast-milk, or breast-milk and boiled water, being added to it.

#### Preparation of Hydrolysate

Aminosol mixture, said to contain 80-85 per cent. free amino acids, was prepared by purifying milk casein by isoelectric precipitation, and extracting with boiling alcohol, whereby salts, fats, and vitamins were removed. Enzymic hydrolysis was then conducted at 37° C. with a pancreas extract, and the material dialysed. During the first days or weeks of life, the mixture was usually given through a catheter, and, later, by mouth. With older children difficulty was encountered owing to the taste of the preparation but this was overcome by giving the hydrolysate as a powder. Infants given supplementary hydrolysate showed a consistently greater increase in weight than others fed with an equivalent quantity of undigested casein. It was shown that this increase in weight

was due to the amino-acids. Administering this supplementary food should shorten the stay in hospital of premature infants.

## LEGAL REPORTS

**Alleged Perfume Offences.** — John Shreeve Barrington, Brookfield, Longshaw Park, Kentish Town, and Jasf Crandall, Harcourt Terrace, West Brompton, were summoned at Bow Street, London, police court recently, for conspiring to pervert the course of justice by making false statements to the police regarding perfume deals, as a result of which an innocent company and a director were alleged to have been wrongly prosecuted. They were further summoned, together with Robert Scott Cleminson, Seymour Place, W., for conspiring to supply bottles of perfume not bearing the name and address of the manufacturer. For the prosecution it was stated that, in December 1943, Barrington and Cleminson were interviewed regarding sales by them of bottles of perfume bearing labels with the name of the Peronia Co., Ltd. Barrington declared he had bought the perfume from that company, and produced an invoice purporting to be signed by the managing director. Crandall supported that statement. As a result, the Peronia Co. and the managing director were prosecuted, but when the case came before the court a handwriting expert gave his opinion that the invoice was a forgery. No evidence was offered by the Board of Trade against the Peronia Co. and the managing director, and the case against them was dismissed, with £52 10s. costs. Both Barrington and Crandall, said counsel, made their false statements knowing that they were required for a prosecution of the Peronia Co. and the managing director. They also expressed their willingness to attend court and give evidence. "As a result of these statements an innocent man and an innocent company were prosecuted for offences they did not commit". Mr. Ahmed Hiait, formerly managing director of the Peronia Co., Ltd., said they were prosecuted for supplying perfume when they had no quota to manufacture. The case was withdrawn. The company made cosmetics and lipsticks, but never perfume. Cleminson once offered him £1,000 to hand over an invoice of the Peronia Co. with his signature on it, but he refused. For the defence, it was disputed that the invoice in question was a forgery. All the accused, who pleaded not guilty and reserved their defence, were committed for trial at the Central Criminal Court.



## SIX JOURNALS FOR CHEMISTS

### A Survey of the First Independent British Journals for Manufacturing, Wholesale and Retail Chemists

By Howard Bayles

JOURNALS for chemists in business had a later beginning than medical journals. Dr. Norman Gerald Horner, editor of the "British Medical Journal," wrote in 1932: "The 'London Medical Journal' began in 1781 and continued for about ten years, and the 'Medico-Chirurgical Review' ran from 1795 until 1807. The . . . 'London Medical and Physical Journal' . . . ran from 1799 until 1833." If it occurred to the apothecaries and chemists and druggists who formed an association in 1802 to protect their interests with regard to the Medicines Stamp Act of that year, or to the chemists and druggists who, in 1813, took action to oppose a Bill promoted by the Society of Apothecaries of London, that the publication of a journal or magazine might be of service, the idea seems to have left no trace. Eventually, however, a weekly octavo paper entitled "The Chemist" made its appearance. This, the first of six journals that supply the subject-matter of the present article, may be dismissed briefly. Its first volume began on March 13, 1824 and ended with the issue of the following September 18; its second and last volume opened a week later and closed with the issue of April 16, 1825. The following explanation was given: "The present sheet . . . completes the Second Volume of the CHEMIST, and closes the existence of the work . . . It has now been ascertained, by a whole year's experience, that the CHEMIST is not likely to *pay* . . ." The editor expressed a hope that separation from his readers and correspondents would not be final.

#### A Miscellany

The short duration of this venture may reasonably be attributed to the elementary nature of the contents provided. Mechanics' institutions were then being launched, with Dr. George Birkbeck (founder of the Birkbeck College in London) as the chief promoter; and "The Chemist" was more likely to make a general appeal to members of these societies than a specific appeal to chemists in business. The subjects chosen for articles included air beds, bleaching, dry rot, apparatus, field mice, medicinal plants, bread, cotton manufacture and "aviceptology"; the last-named will be more easily recognised under its familiar

name of bird-catching. There was, it is true, a regular feature headed "Analysis of Scientific Journals"; on the other hand, answers to correspondents contained such a statement as this: "Cinchona and quina are both obtained by the same process, but one is the produce of the red, and the other of the yellow bark." One news item is worth extracting from this miscellany. On November 25, 1824, after some months of preparatory work, the London Chemical Society was established, with Dr. Birkbeck as its president. The subscription was 21s. half-yearly; there was an entrance fee of the same amount; and members were promised the use of a lecture room and a library.

#### A Life of Nineteen Years

Better fortune attended "The Chemist; or, Reporter of Chemical Discoveries and Improvements, and Protector of the Rights of the Chemist and Chemical Manufacturer," a monthly octavo publication which appeared in 1840 and continued till 1858. The editors were "Charles Watt, Esq. Lecturer on Chemistry, and John Watt, Jun." In the Introduction to Volume I, obviously written on or shortly before the completion of its twelve issues, the editors blew their own trumpet in forthright style. A fling at "worthlessness, knavery, pitiable ignorance, and deception in parties who should have assisted us in our undertaking" was followed by the assertion "our triumph has been most complete." The editors continued: "The want of a journal expressly devoted to Chemistry, Chemical Manufactures and Pharmacy, has long been felt . . . ;" and they candidly admitted a scarcity of British contributors and authors. This scarcity affected in varying degrees all the five journals during the 'forties and 'fifties, with the result that abstracts from foreign publications occupied a large proportion of their space.

The arrangement of "The Chemist's" contents was methodical: the three principal sections of each issue were allotted respectively to chemistry, chemical manufactures, and pharmacy. Five subjects of pharmaceutical interest were more or less continuously given prominence in this journal and its four contemporaries—the organisation of chemists and druggists, long hours

of business, education, the sale of poisons, and exemption from jury-service. This does not mean that the scientific aspects of pharmacy were overlooked. It is of interest, however, to find that a century or more ago these questions were being frequently discussed.

An "Advertisement" prefixed to the first issue of "The Chemist" indicates that the editors had already made up their minds about education: "the retail chemist ought, therefore, to be compelled to undergo a strict examination as to his knowledge of the nature of drugs and their medical properties. . . ." (In the following year a resolution to this effect was passed at a meeting at Newcastle-upon-Tyne.) A journalistic mishap in the preparation of the issue was made public: it was stated that a list of prices of drugs, "with their profits, tares and duties," was "by the misconduct of the party employed to collect such information, too late for the present Number: such omission shall not occur again." In the next issue about a hundred market prices of drugs, with the respective duties, were printed.

### Business Problems

In June 1840 Mr. W. Gallard, a Hampstead chemist and druggist, set forth in a letter the case for a reform that is still awaited in 1946, the exemption of chemists and druggists in business from jury-service. The editorial view was favourable, and in the following month another chemist and druggist, Mr. Anthony Mayhew, of Waltham Abbey, wrote in similar terms. About this time the formation "at once" of an association of chemists and druggists on the lines of the British Medical Association was suggested. Long hours of business were a legitimate and recurring grievance. Three examples may be selected: In Chelsea,

7 a.m. to 11 p.m. (Saturday to 12 p.m.); in Salford, 6 a.m. (in winter 6.45 a.m.) to 9 p.m. (Saturday excepted); in Aberdeen, 7 a.m. (in spring and autumn 7.30 a.m., in winter 8 a.m.) to 9 p.m. (Saturday excepted). In the first year of its existence "The Chemist" published, *inter alia*, a letter on the sale of poisons suggesting the presence of a witness at every transaction, and an abstract of official statistics of deaths

by poison in England and Wales for the year 1837-38.

As far as most of the journals here discussed were concerned, the Pharmaceutical Society was not favoured with a good Press in its first years. At the outset "The Chemist" was cautious. It allotted five pages to a report of and comment on the Crown and Anchor meeting of February 15, 1841; the editorial remarks included a reinforcement of the previous suggestion about education and an injunction to beware of the machinations of the medical profession. The substance of the warning may be quoted:

"Now we have had the most extensive experience of the degree of knowledge possessed by the general practitioners and

we regret to say that it has always been of the most limited and smattering kind; their prescriptions evidence a despicable ignorance of Pathology, Chemistry and *Materia Medica*, and are in every respect lamentably destitute of literary accomplishment.

"With ceaseless vigilance therefore do we urge them [chemists and druggists] to guard their interests: . . . for we are perfectly satisfied that medical reform is a mere blind, and that the real objects sought . . . are nothing but a still further infringement on the rights which peculiarly belong to chemists and others of the profession . . ."

## THE CHEMIST;

REPORTER OF CHEMICAL DISCOVERIES  
AND IMPROVEMENTS,

PROTECTOR OF THE RIGHTS OF THE CHEMIST  
AND CHEMICAL MANUFACTURER.

EDITED BY  
CHARLES WATT, ESQ.  
LECTURER ON CHEMISTRY,  
AND  
JOHN WATT, JUN.

VOL. I.

LONDON:  
PRINTED FOR THE PROPRIETORS,  
AND SOLD BY  
R. HASTINGS, 13, CAREY STREET.  
1840.

"The Chemist," 1840



The report of the meeting at which the Pharmaceutical Society was founded (April 15, 1841), together with what may be called neutral comment, filled three pages. By the end of the year, when the introduction to Volume II came to be written, there was a change of attitude. We read: "The Pharmaceutical Society is a sad, but apt, illustration of the saying—'Parturiunt montes, nascetur ridiculus mus'." And in 1842 there appeared the forecast—quoted in *THE CHEMIST AND DRUGGIST* on the occasion of the Society's centenary in 1941—of "the speedy and total extinction of this Society," coupled with the prediction of a like fate for the British Association. The maxim "Never prophesy unless you know" seems appropriate.

### "Operative" Subjects

As has been indicated, scientific and "operative" subjects were given a modicum of attention in the journals under review. The best-known contributor to "The Chemist" on these matters in its early years was John MacKay of Edinburgh, who did much of the work leading to the formation in 1851 of the Pharmaceutical Society's North British Branch, and was its unpaid secretary till his death in 1881. The subjects of his communications from 1840 onwards included confection of senna, James's powder, and preparations of mercury and of sarsaparilla. A Mr. Bartlett of Chelsea contributed several formulas; other correspondents expressed opinions on such familiar articles as compound decoction of aloes, sweet spirit of nitre, and hydrocyanic acid. Writing on adulteration, an anonymous Edinburgh chemist instanced lemon-flavoured seidlitz powders, "almost entirely composed of bruised Glauber salts," which were on sale at 8d. per dozen. The ninth edition of A. T. Thomson's Dispensatory was the subject of criticism because of certain errors: eventually the author wrote admitting a few slips and explaining how they occurred.

### The Most Successful Publication

The most successful of our selected journals, the only one which in another form is "still running," was "The Chemical Gazette, or, Journal of Practical Chemistry, in all its applications to Pharmacy, Arts and Manufactures." Beginning as a fortnightly octavo publication in 1842, it was for a time "conducted" by William Francis and Henry Croft, "late students in the Universities of Berlin and Giessen." The preface to Volume I states that the foreign journals

of the day contained much information, unobtainable till then, on applied chemistry, and that they had been "ransacked" for the purposes of the journal. The contents of the first few volumes were, in fact, largely abstracts from Continental publications. For this reason, and also because "pharmacology," as it was styled, was only one of seven divisions of the subject-matter of each issue, it is unnecessary to discuss "The Chemical Gazette" in much detail. Among subjects of interest to pharmacists of the 'forties were a series of articles on the analysis of cinchonas and correspondence on the best way of keeping *mistura ferri composita*.

Early in 1843 the Pharmaceutical Society was severely dealt with in two leading articles. In the first of these it was charged with advancing "private interests." The article continued:

"A vague apprehension has been raised, and studiously promoted, that privileges similar to those of the Apothecaries' Company would at once be conferred . . . by Parliament . . . ; but now that the second year's contribution has become due, the members are eagerly asking, for what are they called upon to pay? . . . To our country friends we therefore say, unhesitatingly, you will never receive any equivalent for your money. The Society has not, and probably never will have, any legal privileges . . . but be assured, that should it succeed, it will be most injurious to the chemist and druggist."

In the second leading article the writer or writers poured scorn on the Society's Charter. After explaining that the paper was "not hostile to the Pharmaceutical, or any other Society formed for the purpose of advancing science," and quoting the Society's announcement of the grant, the tone hardened:

"This pompous announcement shall not mislead *our* readers. It is, let them remember, exactly parallel with 'Her Majesty has been pleased to grant her Royal Letters Patent to Mr. Sprout for his Liver Restoring Pills.' . . . But of what value is the promised diploma? None whatever. The public will soon discover that it is a mere bauble, purchased for a trifling sum."

In 1859 the paper was merged in "The Chemical News."

### A Short Career

"The Annals of Chymistry and Practical Pharmacy," which entered the field as a fortnightly octavo publication in October

1842, was destined to early extinction. Its second volume, planned for monthly issue, comprised, according to the British Museum record, only the numbers for March and April 1843. Difficulty in obtaining original articles was felt from the first; in the opening editorial article an appeal for manuscript was made to "the Promoters of Science," with the expressed hope that congenial minds may hold converse with each other." The arrangement of the contents was systematic, and efforts were made to sustain interest in pharmaceutical topics. At the outset of its career the paper offered a gold medal of the value of ten guineas for the best contribution on the preparations of the London Pharmacopœia, "without reference to the language in which they are communicated to us." The word "language," as used in this context, seems somewhat ambiguous.) A later issue contained a comparison of five pharmacopœias, with tables. Other subjects dealt with included concentrated infusions and mercuric nitrate ointment: the latter may perhaps be regarded as the most-discussed of all pharmaceutical preparations. W. Bartlett, the Chelsea chemist

whose name has already been mentioned, contributed a formula for "Camphor Cake for Chapped Hands," and informed the trade that calcium sulphate was being sold as precipitated chalk. Adulteration received editorial comment; a table was given showing cost and loss in the grinding of ten selected drugs. References to the Pharmaceutical Society were few and friendly. A tribute was paid to Jacob Bell for "moulding the most incongruous materials into one harmonious whole": members of the young society were warned, however, of the danger of apathy.

### The First Quarto

On September 5, 1846 appeared the first number of "The Pharmaceutical Times: A Journal of Chemistry, applied to the Arts, Agriculture, and Manufactures." This publication differed from the other five mentioned by being printed in quarto size and with three columns to a page. Volume II of its weekly issues began on February 27, 1847; Volume III on October 2, 1847, and the fourth and last volume on November 11,

1848; there was also a supplement to Volume I in the form of a conspectus, with its own index, of the Pharmacopœias of London, Edinburgh, Dublin, Paris, and the United States. The editor during part or perhaps all of the life of the paper was Dr. Scoffern: it would not be surprising to learn that his hard-hitting style in controversy brought him some animated correspondence.

In the first two volumes of the journal considerable prominence was given to the question of earlier closing, a question previously discussed, as we have seen, in "The Chemist." Rightly or wrongly, "The Pharmaceutical Times" accused the Council of the Pharmaceutical Society of

being lukewarm or even antagonistic towards the widely expressed desire for shortening hours of business. An editorial comment in the issue of December 5, 1846 stated: "We honestly confess that we do not understand Mr. Jacob Bell." Reference was made to an article in the Society's official organ: Mr. Bell was ironically acquitted of having written that article, but it was characterised as temporising. Late hours were said to be favoured in the West End, though those who advocated them were credited with admitting that in the City of London it might be easy to close at 9 p.m.

## ANNALS OF PHARMACY AND PRACTICAL CHEMISTRY;

A Monthly Record

OF

BRITISH AND FOREIGN MATERIA MEDICA, PHARMACY,

AND

CHEMISTRY, THEORETICAL AND TECHNICAL.

EDITED BY

WILLIAM BASTICK AND WILLIAM DICKINSON,

*Members of the Pharmaceutical Society.*

VOLUME I

London:

W. J. OLEAVER, N° 46, PICCADILLY.

1852.

"Annals of Pharmacy," 1852



During the first months of the following year several letters in support of earlier closing were printed, one with the well-known name of Gratton & Co., of Belfast.

### An Early-closing Body

In April 1847 a society called The Chemists' and Druggists' Early-closing Association was formed at a meeting, presided over by "the Rev. Mr. Redpath," held at the Freemasons' Tavern in London. Many speeches were made, and it was stated that "the principle of early closing" had been adopted by the chemists and druggists of Belfast, Bradford, Brighton, Bristol, Chatham, Colchester, Dublin, Dudley, Edinburgh, Gravesend, Leicester, Liverpool, Pontefract, Salisbury, Truro, Whitby, Whitehaven, Worcester, and Yarmouth. But all was not well with the association. Before the end of the following summer an editorial article in "The Pharmaceutical Times" gave it a curt dismissal:

"Now, however, that the Association is, to all intents and purposes, defunct, in truth and fact a *very* 'Early-closing Association'—and its useless corpse no longer cumbrous our way—with nothing further either to hope or to fear from it—the old healthy conviction returns, that it is to our own exertions we must look . . ."

### Lengthy Correspondence

The recurring difficulty of finding sufficient material of first-rate importance to fill the allotted space is evident in the volumes of this journal. Letters from readers occupy what would now be considered an inordinate proportion of the total measurement; an anonymous Sunderland druggist specially distinguished himself in this section of the paper, sometimes filling a page or more. The topics chosen were such familiar perennials as the sale of poisons, education, and methods of preparing galenicals. One contributor, discussing poison sales, suggested the supply of cream of tartar when arsenic was asked for. Mercuric nitrate ointment received ample attention from readers. A section headed "Our Gossip" was added at an early stage, perhaps with the idea of brightening the weekly contents or because of the difficulty just referred to. Examples are:

"A train on the Great Western Railway was lately urged at the fearful speed of seventy-two miles per a hour [*sic*]." (Incidentally, the exhibits at a conversazione of the Pharmaceutical Society in 1846 included "Mr. Mowbray's patent railway whistle.")

(After stating the weight of a prize cow): "Announcements of these fat monsters always fill us with disgust."

"No consideration on earth could induce us to eat a London-made sausage."

Serious topics were, however, not overlooked. It was reported that Mr. D. Waldie gave an address at Liverpool on chloroform, then possessing the interest of novelty, on November 29, 1847. Statistics of deaths from cholera were published from time to time: it may be remembered that epidemics of this disease did not disappear till several years later. Low salaries received editorial attention when an advertisement appeared on behalf of a dispensary inviting the services of a man as dispenser and of his wife as matron. The following terms were mentioned:

"The salary will be £25 a year, with apartments in the house and coal and candle. The matron will be allowed 6d. a day additional when patients not exceeding two shall be in the wards, and 1s. when the number shall exceed that, but no other perquisites for baths or otherwise. A retired Sergeant, who is married . . . will be preferred."

### Pharmacists' Venture

In 1852 William Bastick and William Dickinson started the "Annals of Pharmacy and Practical Chemistry," a monthly octavo publication with a lengthy subtitle. Both men were members of the Pharmaceutical Society, and Dickinson, it appears, was for a time a councillor. They were pungent critics of the Council; their occasional disclaimers of personal motives in making adverse comment were diplomatic. The preface to the first of their three volumes contains a recognition of the risk they ran in a field where others had failed, and a denunciation of what they called a monopoly in journalism "of the most iniquitous kind, and without precedent . . ." The contents of their issues may be briefly described as consisting on the one hand of science papers (a few of which were original), and on the other hand of a searching analysis of the 1852 Pharmacy Act and of the by-laws made in pursuance of it. Among their scientific articles is the reputedly original formula for ammoniated tincture of quinine (see "Pharmaceutical Formulas," I.634). On the passing of the Pharmacy Act originated by Jacob Bell they wrote:

"The Bill has been obtained, and we think that its promoters . . . will find, unless they filch our plans for the improvement of this Society, by which at

least an equivalent would be returned to the members, the Society must continue to sink until death shall release it from its sufferings."

### Wrangle Over By-laws

In the following year there was a prolonged wrangle over the Society's by-laws, and counsel's opinion was obtained by one or both editors. On December 20 a meeting of chemists and druggists in London passed resolutions establishing "The British Association of Chemists and Druggists" with a view to their registration and to setting up a college of pharmacy; Charles Linder was elected chairman, and John Rossiter secretary. Its subsequent history

I have not been able to trace. The early closing movement obtained brief notice about this time. In December 1854 the *Annals* came to an end, the editors explaining that with one or two exceptions the principal evils they had undertaken to redress "have now passed away, or are apparently at present beyond remedy." A journal devoted to science "and unsupported by exclusive privileges" would not make a profit, they added; for "it is a notorious fact that not one in a hundred of its [the Pharmaceutical Society's] members ever reads the scientific papers of a journal." In taking leave of their readers they promised to do battle again if conditions demanded their efforts.

## CORRESPONDENCE

### "Craft" Union in Pharmacy

SIR,—It is appalling to me as a practising pharmacist how anyone can raise any objections to the new registered pharmacists' union. I happened to be one of the fortunate individuals who was on holiday at the time of Dr. Clitherow's meeting and went along with a very open mind. The meeting examined the proposals critically, valuing them without prejudice and, because it was good, adopted them, and it did not need a super brain to visualise the spark emanating from the Medical Practitioners' Union which was ably kindled by Dr. Clitherow. The fire will no doubt spread rapidly when pharmacists realise the true value of such a union. The object of any trade union is not to improve the technical quality of the work done by its members but to secure a living wage for them. In Dr. Clitherow pharmacy has at long last found a man of integrity and sincerity of purpose who has always aspired to do something big for pharmacy. As the secretary of this new union he will be able to act as liaison officer in direct contact with the Ministry of Health. May I, as an employer pharmacist, make a special appeal to employee pharmacists to "bury the hatchet" and throw in their lot with the registered pharmacists' union, thereby co-ordinating all the sectional interests to work in collaboration with the Society, as the statutory body, the N.P.U., as representing the employers and the Government, to further the interests of pharmacy. We live, Mr. Editor, in a changing world. Let us forget the sombre past and grasp the opportunity now presenting itself or we shall be for ever "cooks in the doctor's kitchen,"

to which Mr. Mallinson recently referred. So let us all rally round Dr. Clitherow, giving him all the financial help possible. I have no qualms whatever that he is the right man to direct pharmacy over the crossroads to that goal which the first instigators of our profession had intended. Finally, it is more than essential that we must be completely organised before this new health service comes into being.

Yours faithfully,

STANLEY EARL GREENWOOD.

Bolsover, Chesterfield.

### P.A.T.A. Celebration Dinner

SIR,—The Council of the Proprietary Articles Trade Association has made arrangements for the fiftieth anniversary of the foundation of the Association to be celebrated at a dinner to be held at the Dorchester Hotel, Park Lane, London, W.1, on Thursday, October 10. Members of the three sections (manufacturers, wholesalers and retailers) who desire to attend the function are requested to make early application for tickets (and are advised to send their applications before September 10). Tickets will be allocated to members of the three sections, and in strict rotation. The Council regret that the limited accommodation available will not permit the issue of tickets to ladies, other than those who are members of the Association. The price of the tickets will be £2 2s. each, inclusive of table wine. Applications should be sent to the Secretary, P.A.T.A., 43 Gordon Square, London, W.C.1.

Yours faithfully,

H. E. CHAPMAN,

London, W.C.1.

Secretary.



## NOTICES TO QUIT

THE law with regard to the termination of tenancies by notice to quit is even at this late date the subject of judicial decisions in the courts. There have been two recent decisions of importance to which attention in particular ought to be drawn.

### "On or Before"

For many years it has been considered to be the law that a notice to quit, in order to be valid, must determine the tenancy *on* whatever happens to be the proper day. Accordingly, a notice to a tenant to quit "on or before" the particular date has been repeatedly held to be bad. The ground of this decision is that the notice is uncertain, where it uses the additional words "or before," since the tenant does not know for certain on which day he is required to go. This has been the law for at least a quarter of a century.

Yet the Court of Appeal recently gave their blessing to such a notice and held it was a good and valid notice. In the view of the Court, the notice meant that the tenant was required to give up possession on the date mentioned, but that, on the other hand, it was open to him, at his option, to vacate the premises earlier, in which event presumably he would be liable to rent only up to the date on which he actually vacated the premises, though as to the latter point the Court does not appear to have given any guidance.

### Alternative Form of Notice

It has also been, and presumably it still is, a cardinal requirement of a valid notice to quit that it must determine the tenancy on a proper date on which the tenancy can be determined. Thus, in the case of a weekly tenancy, *commencing* on a Saturday, a full week's notice is necessary, requiring the tenant to vacate on a Friday; no other day will do. Again, in the case of a monthly tenancy, *commencing* on, say the first day of a month, a full month's notice is necessary, requiring the tenant to vacate on the *last* day of a calendar month, e.g., March 31, April 30, May 31, and so on. Likewise, in the case of a tenancy *commencing* on one of the usual quarter days, the notice must be given to expire on a quarter day, viz., March 25, June 24, September 29, December 25.

Now it often happens, particularly in the case of a weekly or a monthly tenancy, that the landlord is not quite certain as to the **proper** day for which his notice is given.

In such cases the landlord sufficiently protects himself by giving his notice for the particular day mentioned and by adding an alternative date. The notice, in other words, is an alternative form, and the landlord can cover any defect in the notice by reason of the wrong date being given, by adding words to this effect, viz.: "or on such other day as your tenancy can be determined."

### Validity of Notice

While a notice to quit will not be good if it required the tenant merely to give up possession "on whatever date the tenancy can be determined," since such a notice would be too vague, yet it has been held by the Court of Appeal, by what process of reasoning it is somewhat difficult to understand, that a notice in this form will be good if it mentions any date whatever, and that in addition adds the alternative. Thus, in the case of a tenancy which could only be determined by a week's notice, expiring on a Saturday, a notice to quit given on a Friday, on the one hand, and a notice to quit "on whatever day your tenancy can be determined," would equally be bad, yet a notice to quit "on Friday, the 22nd day of March, 1946, or on such other day as your tenancy can be determined" will satisfy the requirements of a valid notice to quit.

### Conclusion

It cannot be denied that the law of landlord *v.* tenant generally is still very archaic and chaotic. The rules as to notices to quit in themselves afford a good illustration. It is true that the law was altered; and as far as notices to quit are concerned some simple rule or rules should be introduced which would confer adequate protection both on landlords and tenants against any unreasonably premature determination of the tenancy.

**Soap from Coal.**—According to the science editor of the "News Chronicle," the Ministries of Food and Fuel are re-examining the commercial possibilities of a process ("known to the Government fuel research station for over ten years") of obtaining fats and soap from coal. The process converts coal or coke into a mixture of carbon monoxide and hydrogen from which the sulphur is removed. The mixture is passed over a chemical agent at pressure, and at 200°C., and yields heavy oils, lubricants, waxes and fatty acids.

## OVERSEAS TRADE NEWS

**U.S. Folic Acid Plant.**—It is reported in New York that a new plant for the production of folic acid is to be built at Willow Island, Virginia.

**U.S. Seeking Manchurian Perilla Oil.**—A mission has left the United States for Manchuria to investigate the perilla oil situation, according to U.S. reports. It is hoped that shipments to the U.S. will be resumed.

**Egyptian Import Position.**—An official list of goods which can be imported into Egypt free from all restrictions includes pharmaceutical and medical products and dyestuffs and chemical products, except chemical fertilisers.

**Quinine Products in India.**—Effective on September 3, maximum prices have been fixed by the Government of India for certain quinine salts and tablets—all previously uncontrolled—while the maximum wholesale and retail prices of a number of other drugs have been lowered, it is officially announced in New Delhi.

**Bentonite Deposits.**—Important deposits of bentonite, which can be used in cosmetics and insecticides, are being investigated by the New Zealand Geological Survey Department. Hundreds of tons of the mineral are now being produced commercially. The deposits were found on the east coast of New Zealand, mainly around Poverty Bay.

**Argentine Exportable Surplus Oils.**—It is officially announced in Buenos Aires that two meetings have already been held between Argentine Government representatives and those of the Emergency Foodstuffs Committee to consider the sale of exportable surplus vegetable oils and oilcakes. Argentina has already made an offer which covers both prices and quantity but details have not been disclosed.

**Polish Trade Mission in Italy.**—According to Rome Radio, a Polish trade delegation arrived in Milan on August 13 to establish contacts with Italian industrial and commercial circles. The Italian Government have extended an invitation to the Polish statesmen now in Paris to visit Italy. It is believed that a trade agreement may be concluded between the two countries on the basis of Italian supplies of machinery against Polish coal and pharmaceutical products.

**Australian Whaling Industry.**—Reuter reports from Sydney that Mr. Robert Cosgrove, Premier of Tasmania, commenting

on a decision by the Supreme Allied Commander in Japan to allow Japan to send a whaling fleet to the Antarctic in the coming season, said "General MacArthur's move seems to brush Australia aside. It gives no consideration to the proposals, which have been discussed most fully, for establishing the whaling industry." The Tasmanian Government had been negotiating for a year for the establishment of the industry and interested persons were prepared to raise £3,000,000 for the purpose of using Tasmania as a base." Mr. Chifley, Australian Prime Minister, said he was unable to comment on the announcement until he had seen "all the implications." "Australian representatives have been sent abroad to study whaling questions and the Cabinet has authorised the construction of a mother ship and eight chasers," he added. According to a Wellington dispatch dated August 17, Mr. Peter Fraser, New Zealand Prime Minister, said "New Zealand does not view with any favour the resumption of Japanese whaling activities in the Antarctic."

**Chinese Trade Outlook.**—In a Reuter message from Shanghai the outlook for Chinese trade is discussed. The first anniversary of Japan's surrender—August 15—the message states, found China floundering in a morass of political disunity, currency inflation, rapidly soaring cost of living and labour unrest. More and more industries throughout the country, but especially in Shanghai, are being pushed to the wall by the combination of high production costs—a direct result of the spiralling cost of living, which is now estimated to be 4,000 times the pre-war level—and low-priced, superior foreign goods. The chemical industry provides a typical example. Of seventy chemical factories only a few are operating today, the rest having thrown up the sponge after a losing battle against the high price of raw materials and the abnormally high cost of labour, which made their products three times dearer than similar imported articles. Another factor speeding the death of local industries is the exorbitant interest charged on loans by "black market" banks and credit institutions. Chinese industrial circles have warned that unless the Government banks—there are four—adopt a more liberal policy in regard to loans to commercial and industrial concerns, "there can be no guarantee that complete industrial collapse might not eventuate during the latter part of this year." Substantial long-term credits from Government banks are wanted.



## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

### 28 Essex Street, W.C.2, August 21

TRADE in the drug and chemical markets is moving along very quietly with sales for home consumption at about the low level usual at this time of the year. Part of the reason for the prevailing slackness is probably the growing tendency for firms in many industries to adopt the system of closing down completely for the holiday period with consequent temporary breaks in production and delay in deliveries. Export inquiry, however, is fairly well maintained. In PHARMACEUTICAL CHEMICALS makers report a good demand for practically all items with production at the highest level obtainable under present conditions. No important price alterations have been notified in this section. Export trade in pharmaceutical chemicals is also on the upgrade with makers finding no difficulty in selling all that can be produced.

### Mercury Price Control Removed

The Control of Mercury (No. 12) (Revocation) Order, 1946 (S.R. & O., 1946, No. 1403), which came into force on August 23, revokes the Control of Mercury (No. 11) Order, 1945, and thereby removes the statutory maximum price control of mercury and mercurials.

### Crude Drugs

Dealers in these commodities report little change in the situation, with business rather slow and few alterations in market quotations. There is still a good deal of inquiry for AGAR, but no further news has been received regarding the possibility of future supplies from Japan. It is understood that a good proportion of a shipment of Curaçao ALOES, due to arrive shortly, has been sold. Consumers of ANTIMONY continue to take up all that can be offered at the present time. BALSAMS are steady at recent quotations. BENZOIN continues to be wanted but, so far as can be ascertained, none has arrived; the afloat material is being taken up readily. No change has occurred in the position of CAMPHOR; a good export demand is being received. A distribution of Lend-Lease CASCARA SAGRADA is to be made in the near future; the price is rather above the current market figure. A fair amount of CASCARILLA QUILLS is reported afloat. CHILLIES and other SPICES are quiet with prices unchanged. The position of MENTHOL

remains rather obscure. COCHIN NUX VOMICA is firm for shipment. It is reported that some parcels of RHUBARB are of inferior quality. INDIAN CORIANDER SEED is dearer on the spot.

### Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	August 21
*Alexandria ...	Piastres to £	97 $\frac{3}{4}$ -97 $\frac{3}{4}$
Brussels ...	Francs to £	176 $\frac{1}{2}$ -176 $\frac{1}{2}$
Copenhagen ...	Kroner to £	19.32-19.36
Dutch West Indies	Florins to £	7.58-7.62
Oslo ...	Kroner to £	19.98-20.02
Paris ...	Francs to £	479.7-480.3
Lisbon ...	Escudos to £	99.80-100.20
Montreal ..	Dollars to £	4.02-4.04
New York ...	Dollars to £	4.02 $\frac{1}{2}$ -4.03 $\frac{1}{2}$
Stockholm ...	Kroner to £	14.47-14.50
Zurich ...	Francs to £	17.34-17.36

\* Free market rate.

### U.S. Drug Market Report

New York, August 16

PRODUCTION costs of a long list of FINE CHEMICALS have risen and many manufacturers are expected to apply for price increases in the near future. Included are BISMUTH SALTS, the base metal for which was recently decontrolled. As a result of an announcement by the Office of Price Administration that an increase in the maximum prices on inedible fats is not contemplated at the present time, the supply of GLYCERIN from the soap manufacturing industry should increase. Fats have been withheld from market in anticipation of a price boost resulting in a severely curtailed production of soap and by-product glycerin. The August allocations of PENICILLIN for both domestic and foreign consumption are likely to remain at the same level as in July. Current supplies are ample to meet both foreign and domestic demand, it is stated. The supplies of METHYL SALICYLATE have been severely reduced by a strike at one large plant; the tightness of this material is also reflected in CAFFEINE and THEOBROMINE. MERCURY prices have hardened over the past week; hitherto, this product had been available in ample quantities to meet all demands and several price reductions had occurred. Brazilian MENTHOL has been maintained at the price level reached recently and it is not expected that the situation will ease during the peak U.S. consuming season, now

near at hand. A very light demand was noted on the BOTANICAL DRUG markets during the week, due to seasonal influences; transactions were generally limited to immediate requirements. While domestic collections are proving rather larger than had been expected, they are unlikely to be sufficient to meet autumnal demand. A large percentage of supplies arriving from European countries continues to be rejected by the Food and Drug Administration. The rolling back of BLACK PEPPER prices to the June 30 levels has again resulted in a market completely bare of supplies. Dealers were offering material at about three times the official price during the recent decontrolled period. A consignment of Italian LEMON PEEL delivered to New York marked the resumption of shipments of this material from Europe. The first shipments of Javanese CITRONELLA OIL to the U.S. were all found to be old and of poor quality. Some excellent Siberian FIR NEEDLE OIL, however, has moved directly into consuming channels. While a moderately good output of Californian cold-pressed SWEET ORANGE OIL is expected this year, the supply is likely to fall short of demand. The Office of Price Administration has decontrolled VANILLIN and imitation flavourings have been increased correspondingly in price.

## Pharmaceutical Chemicals

**ACETANILIDE.**—Makers' prices per lb. are: powder, 2s. 5d.; crystals, 2s. 6d.

**AMPHETAMINE.**—Makers' price is steady at 15os. per lb.

**ASPIRIN.**—Home market prices per lb., in quantities of 28-lb.-1 cwt., are (containers in brackets): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d. (7-lb.); 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

**ASPIRIN TABLETS.**—Makers quote bulk supplies per 1,000 as follows: Under 5,000, 3s. 6d.; 5,000 and over, 3s. 4d.; 10,000, 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. 10½d.; 500,000, 2s. 10d.; 1,000,000, 2s. 9d.

**ATROPINE.**—Home market prices per oz. are: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

**BARIUM SULPHATE, B.P. (x-ray).**—Prices per lb. quoted by makers, in 28-lb.-1 cwt. lots, for home sales, are (containers in brackets): 1s. 6d. (1-lb.); 1s. 4½d. (4-lb.); 1s. 3½d. (7-lb.); 1s. 3d. (14-lb.); 1s. 2d. (28-lb.). Prices are net, one month.

**BISMUTH SALTS.**—Current prices per lb. for CARBONATE in quantities of 14 lb.-28 lb. are as follows (containers in brackets): 13s. 0½d. (1-lb.); 12s. 11½d. (2-lb.); 12s. 11d. (4-lb.); 12s. 10d. (7-lb.); 12s. 9½d. (14-lb.). CITRATE, 2s. per lb. above; SALICYLATE, 6d. per lb. above; SUBGALLATE, 4s. 3d. per lb. above; SUBNITRATE, 1s. 2d. per lb. below the prices for carbonate.

**CHLORAL HYDRATE.**—Current prices are as follows: 1 cwt., 2s. 10d. per lb.; 56 lb., 4s.; 28 lb., 4s. 2d.; 14 lb., 4s. 6d.; 7 lb., 4s. 9d.; less, 5s. 3d.

**CITRATES.**—POTASSIUM, in quantities of 28 lb.-1 cwt., is quoted per lb., as follows (containers in brackets): 3s. 8½d. (1-lb.); 3s. 7d. (4-lb.); 3s. 6d. (7-lb.); 3s. 5½d. (14-lb.); 3s. 4½d. (28-lb.). FERRI ET AMMON. CIT. B.P., 3d. per lb. above; SODIUM, B.P., 3d. per lb. below; POWDER, 1d. per lb. extra. Prices net, one month.

**DIAMORPHINE.**—Prices per oz. are: PURE, ½ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. HYDROCHLORIDE, ½ oz., 50s. 3d.; 1 oz., 47s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d.

**IODINE PREPARATIONS.**—Current rates per lb. are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s. 6d.; 28 lb., 10s.; 14 lb., 10s. 6½d.; 7 lb., 12s. 0½d.; 4 lb., 12s. 6½d.; smaller quantities, 13s. per lb. SODIUM IODIDE, B.P.—28 lb., 10s. 5d.; 14 lb., 10s. 11½d.; 7 lb., 12s. 8½d.; 4 lb., 13s. 4½d.; smaller quantities, 14s. 2d. IODOFORM, B.P.—28 lb., 13s. 7d.; 14 lb., 14s. 1½d.; 7 lb., 16s. 3½d.; 4 lb., 17s. 1½d.; smaller quantities, 17s. 11d. IODOFORM CRYSTALS, 2s. per lb. above powder prices. IODINE RESUBLIMED, P.P.—112 lb., 10s. 11d.; 28 lb., 11s. 5d.; 14 lb., 11s. 11½d.; 7 lb., 13s. 9½d.; 4 lb., 14s. 4½d.; smaller quantities, 15s. 10d.

**LACTATES.**—Prices are as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 7d. per lb.; 14 lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

**MAGNESIUM OXIDE, LIGHT.**—Current prices per lb., for the home market, are as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
1 lb.—4 lb.	3 5½	—	—	—	—
4 lb.—7 lb.	3 4½	3 3	—	—	—
7 lb.—14 lb.	3 3½	3 2	3 1	—	—
14 lb.—28 lb.	3 2½	3 1	3 0	2 11½	—
28 lb.—1 cwt.	3 1½	3 0	2 11	2 10½	2 9½



**METHYL SALICYLATE.**—In fair supply. Smalls are quoted at 2s. 6d. per lb.; winchesters at 2s. 1½d.; 56 lb., in demijohns, 2s.; 1 cwt., in demijohns or carboys, 1s. 11½d.; 5 cwt., 1s. 11d. All prices net.

**PHENOLPHTHALEIN.**—Current prices are: 1 cwt., 4s. 10d. per lb.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.

**POTASSIUM PERMANGANATE.**—Current rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5-cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms net, carriage paid to nearest station, containers extra and returnable.

**PULV. BISMUTH CO., N.F.**—Current rates per lb. in the home market, in quantities of 28 lb.-112 lb., are as follows (containers in brackets): 2s. 9d. (1-lb.); 2s. 8d. (2-lb.); 2s. 7½d. (4-lb.); 2s. 6½d. (7-lb.); 2s. 6d. (14-lb.); 2s. 5d. (28-lb.).

**THEOBROMINE.**—Prices per lb., in quantities of 28 lb., are as follows: ALKALOID, B.P.C., 30s. 6d.; CALCIUM SALICYLATE, 19s. 3d.; SODIUM SALICYLATE, 19s. 3d.

## Crude Drugs

**AGAR.**—Inquiries continue to be received for the Japanese product but no further developments have occurred regarding the possibility of supplies.

**ALOES.**—Forward value of Cape is at 140s. per cwt., c.i.f. Curaçao is firm at 250s. c.i.f. It is understood that a parcel of Curaçao shortly due has been mostly sold.

**ANTIMONY.**—In continued demand at unchanged prices. Minimum 99.6 per cent. regulus, £132 10s. per ton; minimum 99 per cent., £125; 70 per cent. crude, for the home trade, £105 per ton, delivered.

**ARECA NUTS.**—Dealers price is steady at 70s. per cwt.; shipment, unchanged at 50s., c.i.f.

**BALSAMS.**—Canada is quoted on the spot at 14s. 6d. per lb., and Peru at 8s., duty paid, and 7s. 6d., in bond. Tolu and Copaiba, unobtainable.

**BENZON.**—The recent good demand is maintained. No arrivals have been reported but the afloat material is stated to be selling well at £25 per cwt., landed.

**BISMUTH.**—High-grade metal is quoted at 9s. per lb., in minimum 5-cwt. quantities.

**BUCHU LEAVES.**—Available on the spot at 4s. 9d. per lb.

**CAMPHOR.**—The position as outlined last week (p. 222) is unchanged. A good export inquiry is noted.

**CARDAMOMS.**—Quiet, prices unchanged. Aleppy seeds are quoted on the spot at 8s. 6d. per lb.; and Aleppy greens at 7s. 6d.; Mangalore heavy are priced at 6s. 6d.

**CASCARA SAGRADA.**—It is understood that a distribution is to be made in the near future of Lend-Lease material at the price previously charged, i.e., 300s. per cwt.

**CASCARILLA.**—Quills are offered on the spot at 2s. 9d. per lb. Demand is good and a fair quantity is reported afloat.

**CHAULMOOGRA.**—*Hydnocarpus* may be obtained on the spot at 2s. per lb., in tins in cases.

**CHILLIES.**—Steady. Mombasa, spot sellers at 155s. per cwt.; shipment, August-September, 140s., c.i.f., buyers' licence.

**CINNAMON.**—Chips may be had on the spot at 2s. 2d. per lb.

**CLOVES.**—Quiet conditions obtain, with London spot sellers at 11½d. per lb.; shipment, August-September, 10½d. per lb., c.i.f., buyers' licence.

**COCHINEAL.**—Spot price of silvers is unaltered at 5s. 6d. per lb., and that for blacks at 5s. 9d.

**COCOA BUTTER.**—Price continues to be fixed at 1s. 5½d. per lb., ex factory or warehouse, except under licence.

**COLOCYNTH.**—Business remains quiet. Spot, good white pulp, 2s. 9d. to 3s. per lb.

**DIGITALIS LEAVES.**—Portuguese is steady on spot at from 130s. to 140s. per cwt., and English-grown at 2s. 6d. per lb.

**ERGOT.**—Spot price is at 7s. per lb.

**GALBANUM.**—Offered at 7s. 6d. per lb., in bond.

**GUM ACACIA.**—Kordofan cleaned sorts is steady on spot at 75s. per cwt.; bleached, steady at 150s.; Talha, cleaned, 42s. 6d.

**GUM MASTIC.**—Offered on spot at 18s. 6d. per lb.

**HENBANE.**—Indian leaf is available on the spot at 250s. per cwt.; Egyptian (*muticus*), 90s.

**KARAYA GUM.**—No. 1 Indian gum is quoted on the spot at 200s. per cwt.

**KOLA NUTS.**—Current spot prices are: African quarters, 8d. per lb.; African halves, 6d.; Jamician washed halves, 7d.

**LIQUORICE ROOT.**—Natural Anatolian, spot, 85s. to 90s. per cwt.; cwt., 110s.

**MENTHOL.**—The odd spot lots mentioned last week now seem to have been cleared; otherwise the position is unchanged.

**NUX VOMICA.**—Cochin, for shipment, is quoted at 40s. per cwt., c.i.f.

**ORANGE PEEL.**—Spanish quarters are at 9s. 9d. per lb., and sweet ribbon at 2s. Fine-cut Tripoli would be worth 4s. 9d. to 5s. 10½d. on the spot.

**PEPPER.**—Whole, not picked over or cleaned, on sale to processors, is officially priced at 1s. 4d. per lb. for white pepper and 1s. per lb. for black pepper.

**PIMENTO.**—Spot sellers at 1s. 2d. per lb.; shipment, 122s. 6d. per cwt., c.i.f., buyers' licence.

**QUILLAIA BARK.**—Natural bark is quoted at 120s. per cwt., on spot, and cut at 145s.

**RHUBARB.**—Spot price of common-rounds at 11s. 6d. to 14s. per lb., according to quality and holder. It is reported that some parcels are of inferior quality.

**SAPONIN.**—Chilean, in bond, 9s. per lb., ex wharf Liverpool.

**SEEDS.**—Current quotations are as follows:

**CORIANDER.**—Spot, Indian, 92s. 6d. per cwt.; Moroccan, 90s., ex wharf London.

**CUMIN.**—Spot, Indian, 205s.; Moroccan, nominal, 200s., duty paid.

**DILL.**—Spot, Indian, 70s., ex wharf London; 67s. 6d., ex wharf Liverpool.

**FENNEL.**—Spot, Indian, 160s., ex wharf London or Liverpool.

**FENUGREEK.**—Spot, Indian, quoted at 70s., ex wharf London; seller at 67s. 6d., ex warehouse Liverpool.

**CELERY.**—Spot, Indian, 1s. 6d. per lb., ex wharf London or Liverpool.

**TRAGACANTH.**—Selected grades are quoted at £155 per cwt. Medium grades are quoted as follows:

No. 1 white, £145 per cwt.; No. 2 white, £125; No. 3 white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf from £17; hoggy, £12 to £15.

**TURMERIC.**—Madras finger, on spot, would be worth 95s. per cwt., ex wharf London, and 92s. 6d., ex store Liverpool.

**VALERIAN.**—Spot price of Belgian root is steady at 250s. per cwt.

**WAXES.**—Current rates for CARNAUBA are: Fatty, grey, spot, 1,040s. per cwt.;

chalky, 1,000s.; prime yellow, 1,200s.; fatty grey, afloat, 1,015s.; prime, afloat, 1,150s. **BEES'.**—Quoted on the market as follows: Dar-es-Salaam, spot, 335s. per cwt.; afloat, 330s., c.i.f.; forward, 335s.; Benguela, spot in bond, 305s.; shipment, nominal, 295s. **OURICURI.**—Spot, nominal; shipment, August-September, 6 per cent., 620s., c.i.f. **CANDELILLA.**—Spot, 490s. per cwt.; to arrive, 490s. landed.

## Essential and Expressed Oils

**CASTOR.**—The following are the prices for bulk supplies: "Firsts," £82 per ton; "seconds," £80, both naked ex works.

**CLOVES.**—Quotations from English distillers of bud oil are unchanged at 12s. per lb.

**COCONUT.**—Bulk supplies of crude oil continue at £49 per ton, but refined deodorised was recently advanced by £7 per ton to £56. Refined hardened deodorised was increased by £7 per ton to £60. All prices are naked ex works.

**COTTONSEED.**—Official quotations are as follows: Crude, £52 2s. 6d. per ton; washed, £55 5s.; refined edible, £57; refined deodorised, £58, naked ex works.

**GROUNDNUT.**—Bulk supplies are officially quoted as follows: Refined deodorised, hardened to 40°, £62 per ton; refined deodorised, hardened to 50°-52°, £63.

**Refined Oils and Fats.**—The Ministry of Food announces that the only changes in the existing prices of REFINED OILS and IMPORTED EDIBLE ANIMAL FATS allocated to primary wholesalers and large trade users during the eight-week period August 18 to October 12 are:

Whale oil	Refined hardened deodorised up to 42°	£89 per ton naked ex works
	Refined hardened deodorised 46-48°	£90 per ton naked ex works
Stearine	(Empire)	£62 per ton c.i.f. basis softwood barrels or tierces. If in hardwood barrels £1 5s. per ton extra
Premier jus (South American)	£73 15s.	{ per ton c.i.f. duty paid in hardwood barrels or tierces, if in softwood barrels or tierces £1 5s. per ton less
Oleo oil	£90	



## TRADE MARKS

(From "The Trade Marks Journal," August 7)

- "HAVOC"; for preparations for killing weeds and destroying vermin (5). By Keystone Chemical Co., Ltd., 16 St. James's Street, London, S.W.1. 641,228.
- "DI-SPIDIN"; for pharmaceutical preparations and substances (5). By Paines & Byrne, Ltd., Pabryn Laboratories, Bilton Road, Greenford, Middlesex. 641,435.
- "FLORADOL"; for razors, razor blades, razor strops, setting appliances and apparatus (not being machines) (8). By Tekniska Aktiebolaget Flora, Galve, Sweden. 640,568 (Associated).
- "SOCIETY"; for combs (21). By Co-operative Wholesale Society, Ltd., 1 Balloon Street, Manchester. B639,985.
- "MARGAR"; for brushes (21). By H. Mowe & Sons, 34a Margaret Street, Bury, Lancs. 640,880.
- "DEMOCRAT" for combs (21). By Salon (Nelson), Ltd., Hollin Bank, Nelson, Lancs. 641,195.
- "VERA"; for hair curlers for attachment to the hair (26). By Vera Products, 11 May Street, Belfast. 639,632.

(From "The Trade Marks Journal," August 14)

- "ATOMIDE," "ATOMUS" and "ATOMIA"; for chemical products for use in the manufacture of paints, varnishes, lacquers, enamels and of roofing compositions; and waterproofing solutions and compounds, being chemical substances used in industry (1). By John E. Williams & Co., Ltd., Victoria Paint Works, Wood Lane, Partington, nr. Manchester. 639,354-56-58 (Associated).
- "TIGER" and device of two tigers; for soaps, detergents, substances for laundry purposes, perfumes, toilet preparations (not medicated) and dentifrices (3). By Hodgson & Simpson, Ltd., Westmoreland Works, Cooks Road, Bow, London, E.3. 639,621 (Associated).
- "LATHEX"; for toilet soaps and preparations for application to the skin to facilitate shaving (3). By J. C. & I. Field, Ltd., Cardiff House, 22 Parkside, Wembleton Common, London, S.W.19. B639,912.
- "TOMBOLA"; for all goods (3). By Cavalcade Beauty Preparations, Ltd., 88 Basil Street, Knightsbridge, London, S.W.3. 640,973.
- "CRASH"; for preparations for destroying and repelling insects (5). By Bell & Sons, Ltd., 17-19 Gascoyne Street, Liverpool, 3. 636,986.
- "STREPTOCIDE"; for sulphanilamide products for use in the treatment of streptococcal, gonococcal and meningococcal infections, and urinary tract infections (5). By Evans Sons Lescher & Webb, Ltd., Speke Boulevards, Speke, Liverpool, 19. B636,936 (Associated).
- "PHYTUSINE"; for pharmaceutical, veterinary and sanitary substances; material prepared for bandaging; disinfectants; preparations for killing weeds and destroying vermin (5). By May & Baker, Ltd., Dagenham, Essex. 639,702 (Associated).
- "OXYCEL"; for preparations of oxidised cellulose for medical and surgical use (5). By Parke, Davis & Co., 50-54 Beak Street, London, W.1. 640,218.
- Two-panelled design with the words "POTTER'S ASTHMA REMEDY," etc., and device of winged lion (word "Potter's" disclaimed); for medicated preparations for human use in the treatment of asthma, hay fever, bronchitis and other diseases and disorders of the respiratory apparatus (5). By Potter & Clarke, Ltd., 60-64 Artillery Lane, London, E.1. 640,898 (Associated).
- "MOVARDO"; for shaving instruments and safety razor blades (8). By Robert Porter, Balliol Chambers, West Sunnyside, Sunderland. 640,249.

## MEDICATED CONFECTIONERY

AN Order amending the Chocolate, Sugar Confectionery and Cocoa Products (Control and Maximum Prices) Order, 1944, and in operation from August 9, has the effect, among other things, of deleting Epidemic Ovals, manufactured by F. C. Battlebury (trading as Battlebury Confectionery Co., 42 Old Bedford Road, Luton, Beds) from the list of medicated products which are not subject to personal points rationing, and of adding to the list the following:—

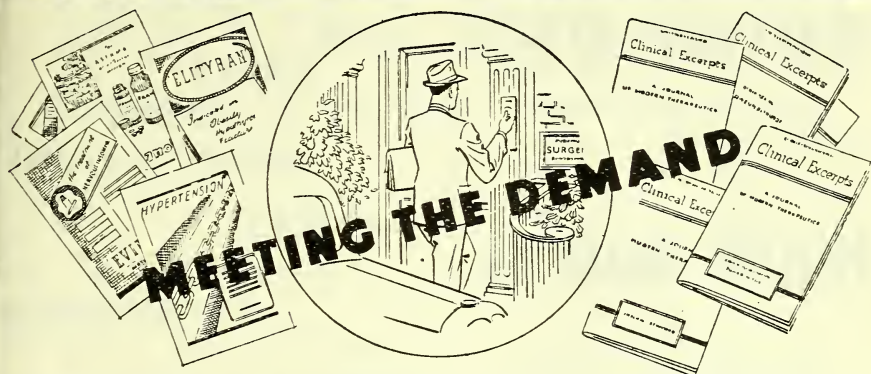
Name	Address	Product
F. E. Bishop	28 Sutton Street, Stepney, London, E.1.	Medicated cough tablets
R. D. Blackwood	30 Elizabeth St., Blackpool, Lancs.	Koffnips
W. E. Chapman	5b The Promenade, Kenton Lane, Harrow Weald, Middx.	Herbal cough tablets
B. A. & R. L. Elliott	1 The Short, Purley Park, Pangbourne, Berks.	Elliott's 99's herbal tablets
Hurst Bros.	Kenyon Lane, Lowton, nr. Warrington, Lancs.	Hurst's lung tips
Ivanhoe Confectionery Co., Ltd.	Wadley Road, Leytonstone, E.11.	Lung pines
George Jackson (Swindon), Ltd.	8 Commercial Rd., Swindon, Wilts.	Moonraker cough tablets
J. Jowett	36 Beach Street, Bare, Morecambe, Lancs.	Herbal beans
J. Lister & Sons, Ltd.	Amity Works, Amity Road, Stratford, London, E.15.	Flue-Nips
R. Miller	The Bungalow, Clements Street, Ware, Herts.	Cough tablets
Morrison Confectionery Co., Ltd.	Waters Road, Kingswood, Bristol.	Riddits
C. & F. Moseley, Ltd.	96 Bell Lane, Marston Green, Birmingham.	Chesties
Wigglesworth, Ltd.	Westhoughton, Bolton, Lancs.	K.G. pastilles
W. J. Wilkins	Green Lane, Temple Ewell, nr. Dover, Kent.	Menthol and eucalyptus drops. Bill's cough tablets

Copies of the Order (S.R. & O., 1946, No. 1,365) may be obtained from H.M. Stationery Office, price one penny.

## COMING EVENT

Sunday, September 1

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Poynton, Disley, and Strines. Meet at London Road station, 9.20 a.m. Book Higher Poynton return.



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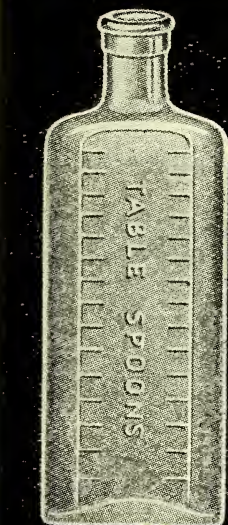
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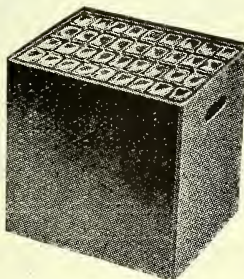
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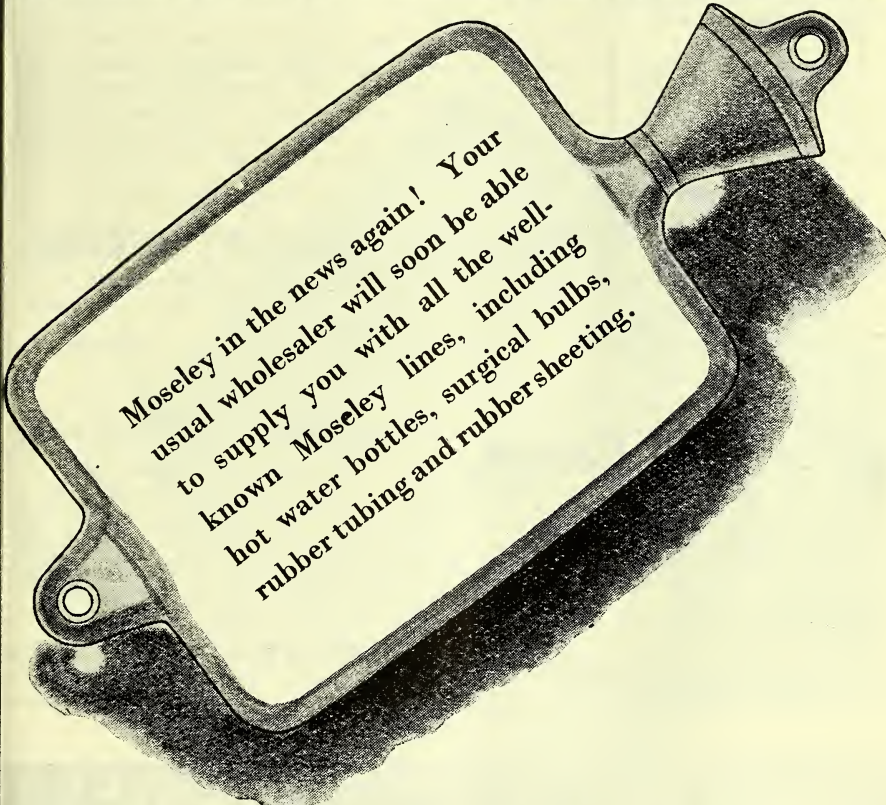
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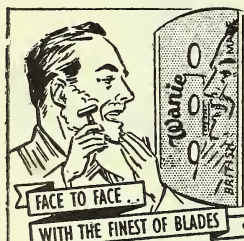
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**FOR FOOD & DRUGS**

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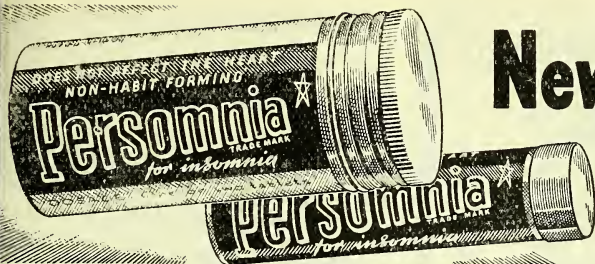
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**BOTH SIZES ARE PACKED IN ALUMINIUM TUBES**

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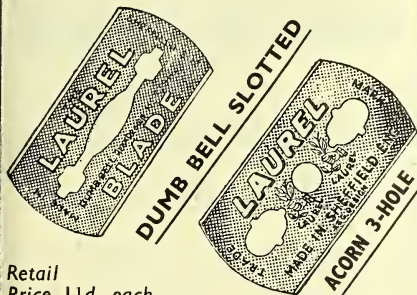
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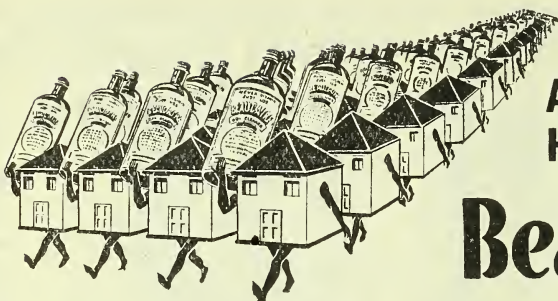
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# The CHEMIST AND DRUGGIST SUPPLEMENT

28 ESSEX STREET, LONDON, W.C.2

AUGUST 24  
1946

This Supplement is inserted in every copy of The Chemist & Druggist

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

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## SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

### RETAIL (HOME)

**A**PPPLICATIONS are invited for the position of a qualified chemist as branch manager. Permanent position. Flat available late September. Applications, stating age, qualifications and wages required, to be addressed to the Managing Secretary, Scunthorpe Co-operative Society, Ltd., 180 High Street, Scunthorpe.

**A**SSISTANT required for old established family herbals and drug store; unqualified. No Sunday or holiday duty. Half-day weekly. Hours 9 a.m. to 5 p.m. Female or male, permanency, to right persons must have good counter experience. Situated North London. State wage required. Manager will wait if immediate acceptance is not possible. Apply, letters only, to V. Heritage, 11 Oldlands Avenue, Hassocks, Sussex.

**E**LDERLY Qualified Assistant wanted for a good class business. State salary required and experience, etc. Williams & Smith, Chemists, Horsham

**G**ILLINGHAM Co-operative Society have vacancies for Qualified Pharmacists. Excellent prospects for keen men. Superannuation scheme in operation. Living accommodation available if required. Apply stating age, experience, and salary required to Managing Secretary, Gillingham Co-operative Society, Kent.

**L**ADY Assistant, experienced for dispensing and retail counter wanted about middle of September. Part time qualified might suit. Please write stating age, experience and salary required, to Miss Robinson, New Pharmacy, Cookham Rise, Maidenhead, Berks.

**L**ONDON, N.W.10, Neasden. Qualified Manager wanted for branch. Permanency. Edgar Davies, 59 Dudden Hill Lane, Willesden.

**M**ANAGER wanted for small good-class Pharmacy in the West End of London. Would suit young man or woman recently qualified wishing to gain experience. Apply 117/712, C. & D. Office.

**O**RIDGE & COMPANY Employment Agency, Columbia House, Aldwych, W.C.2. Chancery 6446-7. Branches at Southampton and Birmingham. Enquiries invited from pharmacists and unqualified persons requiring situations. Many attractive vacancies available. Excellent opportunities existing in progressive permanencies. Locums provided for. No charge to employees except registration fee. Apply to Columbia House in first instance.

**Q**UALIFIED Assistant required for progressive business. Congenial working conditions and good salary. Apply Marsons, Ltd., 123 Baker Street, W.1.

**Q**UALIFIED Assistant required (either sex), no Sunday or half-day duties. Permanent position. Apply Co-operative Society, Ltd., Stamford Street, Ashton-under-Lyne, giving full particulars, regarding age, experience.

**T**HE Royal Arsenal Co-operative Chemists have vacancies for qualified and unqualified pharmacists, in their branches throughout south-east and south-west London. Good conditions of service and holidays with pay. Trade union rate of wages. Apply in writing stating age, experience and salary required, to the Staff Manager, Royal Arsenal Co-operative Chemists, 113 Powis Street, Woolwich, S.E.18.

**T**ORQUAY. Assistant lady or gentleman for good class dispensary business. References to Holmes, Chemist, 1 Victoria Parade, Torquay.

**T**WO Hall-trained dispenser book-keepers required for partnership of three doctors. Good salaries, residential country district 40 miles London. Apply Dr. Barnes, Woburn, Nr. Bletchley.

**U**NQUALIFIED Assistant required, Ilford district. Opportunity of advancement for man of initiative with a sense of responsibility. Phone ILF 1756 for interview or write, 116/675, C. & D. Office.

**U**NQUALIFIED Male Assistant required for high-class pharmacy in North-West London. Apply 117/690, C. & D. Office.

**U**NQUALIFIED Assistant wanted for London suburb (Stratford area). Initiative, salesmanship and keen worker sought. Wage and commission basis. Please state salary desired with full particulars to 116/685, C. & D. Office.



**WANTED.** Chemist-Optician. Mostly optical and dispensing duties. Good salary. 115/649, C. & D. Office.

## WHOLESALE

**A** TOOTH PASTE Manufacturer (at present comparatively small) requires intelligent man to undertake mixing and milling (and preferably also supervise filling, packing and despatch). Progressive prospects for good, intelligent, wide-awake common-sense man. State qualifications, experience, salary expected, etc. Box 427, c/o Pool's, Aldwych House, London, W.C.2.

**A** APPLICATIONS are invited from pharmacists for appointment to the representative staff of a well known company conducting technical propaganda in the medical and allied professions. Good salary is offered to suitable candidates who should give full details of age, experience and residence in first letter. Write 115/629, C. & D. Office.

**B** UYER for leading Yorkshire manufacturers of well-known proprietary products. Must be thoroughly experienced in all branches including stock records, etc. Full details of experience, age, salary suggested, etc., to 116/681, C. & D. Office.

**C** HARGE-HAND for Wet Department required by manufacturing chemists, London district. Apply 116/686, C. & D. Office.

**E** IRE. One Full Time Representative required by a well known London firm handling nationally advertised pharmaceuticals. Good salary and prospects. Applicants must have sound connections with chemists and stores. Interview in Dublin during the week commencing 23/9/46. Write full details to 117/691, C. & D. Office.

**E** XPERIENCED Tablet Maker required for London house. Permanent and progressive opportunity. Write full particulars, 116/672, C. & D. Office.

**E** XPORT Invoice Clerk-Typist for manufacturing chemists, N.W. London; good prospects, previous experience essential. Write full particulars, age, salary required, etc. 116/670, C. & D. Office.

**G** EORGE BELL'S Pet Remedies. A few vacancies are available for Representatives of high integrity, ability and smart appearance. Apply Bell & Sons, Ltd., Veterinary Chemists, Silverdale Works, Liverpool, 13.

**I** NDUSTRIAL representative required to visit factories and extend the development of well established and medically approved series of industrial prophylactics. Only educated men experienced in this field should apply. Some scientific background an advantage. Reply 117/699, C. & D. Office.

**J** UNIOR Lady Assistants required for Analytical laboratory. Matric standard. 5-day week. Apply by letter to Stafford Allen & Sons, Ltd., Wharf Road, N.1.

**L** IVE Representative with existing connection among stores, chemists and hairdressers in Central London, required by distributors of nationally advertised hair preparations and toilet requisites to be sold in conjunction with fast-selling sundry lines. Prospects excellent for a man with initiative who is a "go-getter." 116/657, C. & D. Office.

**L** OONDON. Large Pharmaceutical House require capable assistant for drug and chemical buyer. Apply stating age, experience, etc. 116/666, C. & D. Office.

**M** ANUFACTURING Chemists in N.W. London require a chemist for analytical control and to supervise production of pharmaceutical preparations. Permanent and progressive opportunity for a man of ability and initiative. Write stating age, experience and salary required. 116/673, C. & D. Office.

**M** ALE or female Cost and Invoice Clerk required. Must be fully conversant with Surgical Sundries. Write stating experience and salary required to the Medical Supply Association, Ltd., 167 Gray Inn Road, W.C.1.

**M** ANUFACTURING Chemists in London district require capable forewoman with experience. Apply 116/687, C. & D. Office.

Manufacturers of ethical products, well-known throughout the world, require four keen young male pharmacists to train and later act as representatives, calling on doctors, hospitals and pharmacists. Should be single; prepared to work large territories and be away from their bases (except for week-ends) for up to three out of every four weeks. Cars provided as soon as available. Good salary, expenses and prospects. Other things being equal, preference will be given to residents in the following areas: London, Nottingham, Chester and Newcastle-on-Tyne.

Applications with fullest particulars and photo to 117/693, C. & D. Office.

**M** EDICAL Publishing House requires a Pharmacist of proved literary ability for its editorial department. Interesting full-time position with prospects. Salary from £350, according to qualifications and experience. Applications, giving usual particulars, together with details of experience, to Butterworths Medical Publications, 4, 5 & 6 Bell Yard, W.C.2.

**M** EDICAL Representatives—Wm. R. Warner, have vacancies for a number of representatives in G.B. and one vacancy in Ireland. One experienced applicant required as a prospective Senior. Medical background and pharmaceutical qualifications necessary. Write in confidence, giving full details of experience, salary asked, etc., to Wm. R. Warner & Co., Ltd., Power Road, Chiswick, W.4.

**O** LD-ESTABLISHED Manufacturing Chemists invite applications for the post of Works Manager in their overseas factory. Experience in the production of pharmaceutical products essential, and the post carries a seat on the board of directors. Residence provided. Write in first instance, with details, to Box No. 113/560, C. & D. Office.

**P** HARMACIST required to take charge of Depot in Scotland of old-established manufacturing chemists. Apply 117/708, C. & D. Office.

**P** ILL MAKER required for London manufacturing house, to understudy foreman with a view to taking full control of department in near future. Excellent opportunity for man of ability. Write full particulars, experience, salary required, etc., 116/671, C. & D. Office.

**R** EPRESENTATIVES (men trained in pharmacy), age from 25 to 35 years, required for medical propaganda and trade calls. Must have had some experience of medical propaganda or be possessed of personality and aptitude for this work. Good salary and travelling expenses offered. Territory available: Greater London, and the South and South-west Counties. Apply with full particulars of experience and salary required to 117/697, C. & D. Office.

**R** EPRESENTATIVE required with existing connection amongst hairdressers, chemists and stores, to sell nationally advertised hair preparations and sundry lines, in Bucks, Herts, and Beds. Commission basis. 116/668, C. & D. Office.

**R** EPRESENTATIVE required. Established connection. Calling on doctors and hospitals and chemists, for sale of surgical instruments and hospital furniture, dressings, etc., for counties of Lancashire, Yorkshire, Cheshire and Shropshire. Salary, commission, expenses. Experience essential. Write, 115/631, C. & D. Office.

**REPRESENTATIVE** required by distributors of well-known toilet preparations, with connections amongst chemists, hairdressers and stores, for Cornwall, Devon, Somerset and Dorset. Excellent prospects for man with initiative. 116/639, C. & D. Office.

**REPRESENTATIVES** required to carry additional lines calling on chemists, pet shops and allied lines. Old established products, good commission every sales assistance given. Details lines territory covered and frequency of calls, to 116/639, C. & D. Office.

**VETERINARY** Representative required for disposal of all requirements to veterinary profession in Home Counties area. Knowledge of veterinary products essential. Apply 117/701, C. & D. Office.

**SCOTLAND.** Assistant to Managing Director of small wholesale firm in Scotland required. Send details particulars to 116/667, C. & D. Office.

**VERAL** young boys required for training and work in the manufacture of organic chemicals. Applicants should possess Higher Schools Certificate have reached Inter-B.Sc. standard. Apply 115/701, C. & D. Office.

**PHARMACIST** Assistant, lady, Ph.C. or B. Pharm., required for analytical laboratory. Previous experience of analysis of drugs and galenicals desirable not essential. Apply with full details by letter Stafford Allen & Sons, Ltd., Wharf Road, Don, N.I.

**LOCK** Keeper or Order Clerk required for Surgical Sundry Dept. Only fully experienced apply, male or female. Permanent position offered. Write giving full particulars and salary requirements to The Medical Supply Assn., Ltd., 167/173 High Street, London, W.C.1.

**TABLET** Maker required. S.E. England, 5-day week. Must be experienced, understand rotary machines, and be capable of taking charge in absence of manager. Permanent and progressive position. Write with full particulars of experience and salary required. 117/698, C. & D. Office.

**TABLET** Maker required by London Wholesale Druggists. A knowledge of pearl and sugar coating would be of advantage. 112/529, C. & D. Office.

**TABLET** Maker required by manufacturing chemists, South Wales; 5-day week. Applicants must have had first-class experience in all tablet manufacture, also sugar- and chocolate-coating, and thoroughly understand rotary machines and their maintenance. Details of salary, etc., to 115/646, C. & D. Office.

**TABLET** Maker required by a London firm of Manufacturing Chemists. Applicants must have experience of all kinds of Tablet making and sugar coating and must understand Rotary machines. Apply weekly. Apply in the first instance to Box 4466, C. & D. Office.

**TABLET** Maker required by manufacturing chemists. Permanent position for suitable applicant. Write or call Matthews & Wilson, Ltd., 6-8 E. Street, London, S.E.1. HOP 2147.

**HERE** is a vacancy in our organisation for a pharmacist to take charge of the medical department. It will be filled by a man who can control and effectively lead a team of propaganda representatives working amongst the medical, dental and nursing professions, and who can assume responsibility for exhibition arrangements. Ability to write technical copy is not essential. Application should be made by letter giving complete information regarding qualifications, experience, references and salary requirements to: The Secretary, Macleans, Ltd., Great St. Road, Brentford, Middlesex.

**TWO** Glassblowers required for laboratory in South-West London area. One for skilled time and one for wide variety of work. At least two years' glassblowing experience. Writing age, experience, qualifications, wage, etc., Box No. 112, L. P. E., 110, St. Martin's Lane, W.C.2, quoting ref.: "M.I."

**WANTED.** Three telephone order typists (no shorthand). Good salary to experienced girls. Hours 9-5 p.m. Sat. 9-12 noon. Alternate Sats. free. Write or phone E.B., or Miss Sinclair, Organon Laboratories, Brettenham House, W.C.2. Tem. Bar 6785.

**WELL** introduced Sales Representative required for high-grade luxury toilet preparations (nationally advertised), to be carried as additional line on commission basis; to call on chemists, hairdressers and departmental stores for various provincial areas. Give references in first letter and name present lines carried. 114/612, C. & D. Office.

**WELL-KNOWN** firm of Distributors of nationally advertised Hair Preparations and wholesalers of first-class Fancy and Sundry Lines require a keen, energetic young man with connections amongst chemists, hairdressers and stores as representative for Essex, Suffolk and Cambridge. 116/658, C. & D. Office.

**WELL KNOWN** London Company requires full time representative for the Midland and Wales area. Must have sound connections on territory. Payment will be made by salary, commission and expenses. Preferably car owner. Please write full details to 117/692, C. & D. Office.

**WHOLESALE.** Well known firm manufacturers and distributors of high class cosmetics and toilet preparations are requiring travellers or agents on commission for the following territories: London, Midlands, Scotland and Wales. Only representatives with sound connections and used to first-class trade entertained. Apply 117/696, C. & D. Office.

**WORCESTER,** Hereford and Shropshire. Representative required for area now vacant by distributors of nationally advertised toilet requisites and wholesalers of chemists' and hairdressers' sundries. Commission basis. 116/660, C. & D. Office.

**WORKS** Chemist for leading Yorkshire manufacturers of well-known proprietary products. Must have first-class qualifications and good practical experience. Able to take control of production and staff, and advise on machinery. Write, stating age, experience, salary expected, etc., to 116/680, C. & D. Office.

**WORKS** Manager required for chemical factory making cosmetics, pharmaceutical preparations and polishes at Brentwood, Essex. Salary £750 per year. Send details, age, experience in staff control, construction, maintenance of buildings and machines, stock control, receiving and despatch, buying, etc., 116/655, C. & D. Office.

**YOUNG** and energetic Tablet Maker required by rapidly expanding West Yorkshire firm. Applicants must be conversant with rotary machines with view to taking control of the department in near future. The position holds an excellent opportunity for the right man. 115/620, C. & D. Office.

**£750** per annum and commission on output offered to chemist with first-class experience in the preparation and production of highest grade perfumes and cosmetics. Progressive position with established firm at Brentwood, Essex. Most modern equipment on order or on hand. Adequate supplies of materials and containers. Send all details of experience, age, etc. 114/615, C. & D. Office.

## CLERICAL

**APPLICATIONS** are invited from candidates (Female) interested in permanent secretarial appointments of responsibility, with Manufacturing Chemists near London. Good knowledge secretarial duties, with minimum speeds 45-110 essential; knowledge of chemistry or pharmacy to degree standard useful. The appointments hold excellent prospects of promotion for really capable candidates. Five-day week, hours 9 a.m. to 5.30 p.m. Apply initially in writing, stating age, qualifications and experience, to 117/707, C. & D. Office.



## WHOLESALE (OVERSEAS)

**MANUFACTURING Chemist for South Africa.** Salary £700 to £900 per annum. Experienced qualified manufacturer with M.P.S. and preferably with science degrees competent at analytical control of products required by progressive firm of wholesale manufacturing pharmaceutical chemists. Salary from £700 to £900 per annum including cost of living allowance according to qualification and experience, on a three year's contract. Successful applicant will be flown out at the company's expense, and a single man will be given preference. Please state age, qualifications, experience, whether married or single, when able to leave to take up duties and enclose a recent photograph, to 117/702, C. & D. Office.

**OLD-ESTABLISHED Manufacturing Chemists** require a Representative for India, preferably with experience in India or the Far East in the sale of pharmaceutical preparations. Duties will include control of native Indian representatives. Write in first instance to Box No. 113/561, C. & D. Office.

**PILL and Tablet Maker for South Africa.** Salary, £500 to £600 per annum. Competent tablet and pill maker with experience in all departments including coating required by progressive firm of South African wholesale manufacturing pharmaceutical chemists. Single man preferred. Successful applicant will be flown out at the company's expense. Salary offered is between £500 and £650 per annum including cost of living allowance on a three-year's contract. Reply stating age, experience, qualifications if any, whether married or single, when able to leave England and enclose a recent photograph to 117/703, C. & D. Office.

## SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

### RETAIL (HOME)

**PHARMACIST (33)**, available shortly for permanent post of responsibility, not necessarily in retail pharmacy. 17 years' retail experience, including manership. 117/688, C. & D. Office.

**TORBAY Area. Pharmacist (32)**, married, experienced manager, requires position. Keen business man, particularly interested buying, display, photography. Living accommodation not required. Please state approximate salary offered. 116/684, C. & D. Office.

### LOCUMS SEEKING ENGAGEMENTS

**DISPENSER-SECRETARY. A.H.** Certificate. Retail, surgery, and hospital experience; available for locums in London area from September 2. 116/682, C. & D. Office.

### WHOLESALE

**BUYERS** required for provisions and perfumery departments of Liverpool firm of export merchants. Must be British born, of good education—not exceeding 35 years age. Knowledge commercial French desirable. Good salary and prospects to right man. Give full details age, education, commercial experience and salary required. 117/705, C. & D. Office.

**CAPABLE** Druggist and tablet maker, 25 years' experience of wholesale and manufacturing, also in responsible positions of buying, dispatch and store departments desires situation with wholesale and manufacturing chemists. 117/695, C. & D. Office.

**EIRE** representative, 14 years' experience with on house; drugs, proprietaries, sundries; excellent connection, all chemists and leading stores; or would consider quality lines on commission basis. Own car 117/709, C. & D. Office.

**EIRE.** Well-known Representative (L.P.S.I. hon.), after eight years with prominent British house calling on chemists in Eire, seeks change. Would represent British or Irish house or would consider first-class sole agencies. Age 33. Own car. Capable and energetic. Box 110/472, C. & D. Office.

**GENTLEMAN**, age 36, requires post as representative of well-established firm dealing in medicinal or toilet preparations. Trustworthy and conscientious; 15 years' retail pharmaceutical experience; connection with chemists in North, North West, West and South-West London (North of the Thames). Salary, commission, expenses. 117/710, C. & D. Office.

**LIVE** Representative, previously Yorkshire representative for leading proprietary medicine at toilet group, and considering acting as free-lance agent; would consider two or three sales agencies on a basis of part-expenses and commission. Advertiser has important connections throughout Yorkshire with all chemists, wholesalers and leading store. Will undertake full coverage and guarantee satisfactory results for sole representation. Excellent references will be produced. Own car. 116/670, C. & D. Office.

**PHARMACIST (33)**, 6 years' war service, recently demobilised, experience wholesale manufacturing overseas sales, retail pharmaceutical trade, public school education, seeks situation with reputable provincial wholesale house offering prospect 117/700, C. & D. Office.

**PHARMACIST (M.P.S.)**, aged 34, seeks position with manufacturing firm. Excellent experience in both retail and manufacturing. Hard working and trustworthy. Prospects for advancement required. 117/710, C. & D. Office.

**REPRESENTATIVE** offers his services on the Lancashire territory. Qualified, Wallace Atwood trained salesman. Extensive all-round experience including sales and propaganda for a house of repute, hospital, multiple and every class of retail business. Good knowledge of many technical subjects. Car owner. 116/674, C. & D. Office.

**SALES** Manager, ex-serviceman, aged 38, experienced, pre-war general sales manager rubber trade, desires executive position of trust. Highest credentials. 114/591, C. & D. Office.

**WELL-INTRODUCED Representative (2)** desires career with house of repute. Knows to some 4,000 pharmacists, doctors, dentists throughout South-Eastern and Eastern Counties. Experienced propaganda detailing (trade and professional) Highest references. Car driver. Willing to travel 113/546, C. & D. Office.

## APPOINTMENTS

**CHIEF PHARMACIST** required by MIDDLESEX COUNTY COUNCIL at ASHFORD COUNTY HOSPITAL. Mx. Applications invited from Registered Pharmacists with not less than 3 years' hospital experience after qualification. One assistant in dept. now. Salary as recommended by Joint Negotiating Committee on Salaries and Wages (Hosp. Staffs). Salary scale £435 by £20 to £535 p.a. inclusive. Previous experience as chief pharmacist may be taken into consideration in determining commencing salary. Established and pensionable, subject to medical examination. Whole-time duties under supervision of Medical Director. Application stating age, nationality, qualifications, and enclosing copies of up to 3 recent testimonials to MEDICAL DIRECTOR, of Hospital. Application forms not provided. Closing date September 6, 1946. A240.

## HILL END HOSPITAL, ST. ALBANS

Temporary assistant pharmacists or dispensing assistants (male or female) required immediately. Salary in accordance with the J.N.C. scales. Accommodation can be found in the hospital for female pharmacists at a weekly charge of 29s. for full board, lodging and laundry. Apply stating age, qualifications and particulars of experience to the Medical Director.

**ASSISTANT PHARMACISTS** (locum tenens) male or female required immediately. Salary 8 guineas per week. Apply stating age, qualifications, etc., to the Medical Director, Hill End Hospital, St. Albans.

**LOCUM PHARMACIST** required from 21st September to 1st November, 1946. Salary 8 guineas per week. Reply immediately to Acting House Governor, Princess Beatrice Hospital, Earl's Court, S.W.5.

**PHARMACIST-IN-CHARGE**—single handed required on 1st November, 1946, for Hospital—8 beds. J.N.C. scale of salary, i.e., commencing £370 p.a. Federated Superannuation scheme in force. Apply immediately to the Acting House Governor, Princess Beatrice Hospital, Earl's Court, S.W.5.

**QUALIFIED LOCUM PHARMACIST** reqd. by MIDDLESEX COUNTY COUNCIL at HAREFIELD COUNTY HOSPITAL, Harefield, Mx. from August 26 for holiday duties. Salary £7 7s. p. wk. plus current bonus of 3s. p. wk. Apply to MEDICAL DIRECTOR. (A.242).

## RAMPTON STATE MENTAL INSTITUTION, NR. RETFORD, NOTTS.

**WANTED. PHARMACIST (Female).** Scale of salary:—£250 x £15 x £325 per annum (basic), plus consolidation addition, making it £313 at the minimum and £397 at the maximum, plus quarters (consisting of a bedroom and sitting room) valued at £40 per annum for Superannuation purposes. Food is provided at cost price (at present 14s. per week). Subject to the issue of a certificate of qualification by the Civil Service Commissioners the post would be pensionable under the Civil Service Superannuation Acts. Further particulars will be provided on request. Amenities such as tennis courts, badminton and a swimming pool, etc., are available free of charge.

Applications, stating age, experience and references, etc., should be sent to the Medical Superintendent.

## ROYAL VICTORIA HOSPITAL, DOVER

**FULL TIME PHARMACIST** in charge (single handed) non-resident required for October 1. 85 beds to be increased to 150 shortly. Federated Superannuation Scheme in force. Salary in accordance with the Scale of the Joint Negotiating Committee (Hospital Staffs). Applications, stating age, qualifications and experience, together with copies of recent testimonials, should be sent as soon as possible to the Secretary.

## SURREY COUNTY COUNCIL

**ASSISTANT PHARMACISTS** at KINGSTON COUNTY HOSPITAL, Wolvorton Avenue, Kingston-upon-Thames. **BOTLEYS PARK HOSPITAL**, Chertsey. Must possess Ph.C. or Chemist and Druggist qualification, salary on grade £320 by annual increments of £15-£400 p.a. inclusive. Apply to Medical Superintendent of appropriate Hospital.

## THE GENERAL INFIRMARY AT LEEDS

Applications are invited for the appointment of ASSISTANT PHARMACIST. Salary £300 per annum. Meals will be provided when on duty. Night and week-end duty will be worked in rotation.

Applicants must reply in own handwriting, stating sex, age and experience and also enclose copies of not more than three recent testimonials, to the House Governor and Secretary.

## THE UNIVERSITY OF MANCHESTER

Applications are invited for the post of Demonstrator in Pharmacy (two to be appointed). Duties to commence September 29, 1946. The post will be Full-Time but there will be opportunities for research. Candidates should possess a University degree in Pharmacy and/or the Ph.C. diploma. Salary £300 per annum. Application not later than August 31 to the Registrar, the University, Manchester, 13.

## WESTMINSTER HOSPITAL, ST. JOHN'S GARDENS, S.W.1.

A vacancy exists for an apprentice in the pharmaceutical department. A premium is payable but a small salary, commensurate with the experience of the candidate, is offered. Applications to Pharmacist, Westminster Hospital, S.W.1.

## BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 3d. for every additional word

**SACCHARIN** Tablets or any other kind of tablets packed, quick service, no order too small. Write for details of this service to Three Crowns Tablet Co., 21-25 Derringham Street, Hull.

**SOUTH WALES** firm of Tablet Manufacturers with excellent facilities are now able to manufacture, and pack if desired, any size of tablet. Customer's materials and excipients preferred. Contracts can be arranged if desired. All products are under strict analytical supervision. Write 115/647, C. & D. Office.

## BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

**HILLIER, PARKER, MAY & BOWDEN**, Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop Businesses occupying premier trading positions in London and Provinces, or a Group Concern would be seriously considered. Others contemplating sale or their solicitors are invited to write for further information to Hillier, Parker, May & Bowden, 77 Grosvenor Street, W.1.

**MANUFACTURING** Chemist desires purchase small going concern, principally handling druggists' sundries and patent medicines (manufacturing or wholesale), situate Lanes, Ches, or within reasonable travel distance of Manchester. Capital available £8/10,000. Fullest investigation required. Principals only. Reply in first instance to Hawthornes (M/C), Ltd., 14 St. Peter's Square, Manchester, 2. Cen. 5225.

## BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word

**COVENTRY.** Drug Store and mixed business for sale, including manufacturing of toilets, cosmetics, etc. Steady trade. Freehold available. Good opportunities. Write 116/669, C. & D. Office.



**F**OR Sale. Old established Drug Stores, just off main road, South-East London. Scope for branch dispensing. Good living accommodation. 116/676, C. & D. Office.

**H**IGH-CLASS Chemist's premises (freehold), in select London suburb to let on lease or would consider sale. Good living accommodation. Excellent opportunity. Apply 116/583, C. & D. Office.

**L**ONDON, S.W.17. Small manufacturing concern for sale. Mouth wash, tooth paste and tooth powder. 114/618, C. & D. Office.

## AGENCIES

12/6 for 36 words or less, 3d. for every additional word.

**A**USTRALIA, New Guinea, Java, Malaya, N.E.I. Manufacturers desiring to appoint agents covering this territory please communicate with managing director of well known firm of Australian wholesalers at present in London. Address, E. Fellows, 72 Compton Road, Croydon, Surrey.

**L**ARGE Canadian Sales Agency, 14 distributing warehouses, coast-to-coast sales coverage, wishes to represent manufacturers of pharmaceutical specialties, household medicinal Products, toilet sundries, etc. Write Laurentian Agencies, 429 St. Jean Baptist Street, Montreal, P.Q., Canada.

**W**ANTED. Agencies and sole sale franchise for pharmaceutical products; textiles, newsprint paper and tinned foods for Hongkong and Philippine area. Correspondence, catalogues and samples to P. J. Saery-Siryk, Ltd., Manila P.I.

**W**HOLESALE distribution is required in certain areas for several high-grade pharmaceutical preparations. Distribution of these is preferred through chemists, although some are of keen interest to hairdressers. First-class wholesalers at Manchester, Birmingham, Cardiff and Dublin are specially invited to request samples. Please write. 114/611, C. & D. Office.

## WANTED

7/6 for 36 words or less, 2d for every additional word.

**A** GOOD price offered for Cameras, Enlargers and All Photographic Apparatus, Exposure Meters, Tripods, good Binoculars, Microscopes, Cine-Cameras and Projectors, prompt cash. Wallace Heaton, Ltd., 127 New Bond Street, London, W.1.

**A**UTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., Bavaria Road, Helleway, N.19.

**E**DIBLE Sheet and Powdered Gelatin required in large quantities. 965/970, C. & D. Office.

**H**IGH prices paid for finest quality perfume quantities, price, size, etc. 114/616, C. & D. Office.

**M**ANUFACTURERS require, for own use, regular quantities (large or small) of Lactose B.P., or Edible and Citric Acid. 106/328, C. & D. Office.

**P**LASTIC Manufacturer of mats and other articles required by Magnet Publicities, 27 Mildenhall Road, E.5. Amh. 5870.

**S**MALL Cellophane Envelopes, medicated tablets, malt extract required. Price and quantities to 117/706, C. & D. Office.

**S**TEARIC Acid Triple Pressed required in large quantities. 965/969, C. & D. Office.

**S**UBSTANTIAL prices paid for large quantities 2 oz. bottles. Send full details and quantities available to 116/678, C. & D. Office.

**T**OILET Bottles, 1, 2 and 4 oz. D. Devon, 30 Norfolk Place, London, W.2. Pad. 2714.

**W**ANTED. Angioxyl Ampoules, 6 boxes, or Angioxy Syrup, 6 bottles. Write H. R. Browne, Chemist, 44 Cornfield Road, Eastbourne.

**W**ANTED. Bottles, 2, 3, and 4 oz. bakelite panels. Hair cream jars, S/c bath salt jars and 4 lb. Also fancy Coffret boxes, assorted. Fr. Parade, Sutton Coldfield.

**W**ANTED. Machine for sifting and blending powder. Gardner's make preferred. Full particulars to 116/679, C. & D. Office.

**W**ANTED. Saccharin 350 powder or tablets, a quantity, also aspirin powder, aspirin table phenacetin powder, extract of malt and glycerin. Purchases cash with order. Excess stocks also bought. 114/601, C. & D. Office.

**W**ANTED. 1 to 1½ gallon tins in large or small quantities. Write 117/689, C. & D. Office.

**W**ANTED. 100 gross a month, preferably 1 or 2 oz. screw-neck ribbed ovals. Other types considered. Send sample and state quantity, please to Bureau of Insemination, Ltd., Carlton Road, Burnley, Lancs.

**W**ANTED. 550 Saccharin Powder, also but supplies Standard Saccharin Tablets. Large or small quantities taken. Replies to W. Pearl 143 Endike Lane, Hull. Tel. No. 10986.

**8** OZ. Plain Medicals, 8-oz. ribbed Ovals, 2 2½ Panels; divisioned Cartons to hold any of these. Samples and prices to S. Tatlow & Co., Ltd. Eckington, Sheffield.

**26** OZ. and 13-oz. Wine or Champagne Bottles required. 625/524, C. & D. Office.

## MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word.

**F**OR Sale. Limited quantity of extra strong bath 26 x 16½ x 4, 23½ x 15 x 7, 32½ x 9½ x 5, a 45 x 25. Apply Stelkel, 214 Bishopsgate, E.C. Telephone Bishopsgate 5502-6427.

**F**OR Sale. Oil of Peppermint B.P. 28 lbs. Anise Oil B.P.C. 2 x 28 lb. tins. Aubepine 2 x 28 lb. tins. Citronella B.P.C. 28 lbs. Lavender Oil "Mo Blanc" 2 x 28 lbs. Bay Oil 56 lbs. W. J. Bra & Co., 19 Old Hall Street, Liverpool.

**F**OR SALE. Cheap, screw caps as follows: 270 gross blackplate and 57 gross white enamelled size 42 m.m. for 2-oz. jars. 150 gross blackplate at 150 gross white enamelled, size 36 m.m. for 1-oz. jars. All wadded, unused, reasonably good condition. 25,000 waxed wads 42 m.m. Reasonable offer for the lot accepted. Acra Products, Ltd., King Head Buildings, Cloth Hall Street, Huddersfield.

**F**OR SALE. Plate Type Heat Exchanger, Aluminium Plant & Vessel Co., 32 brass plate about 21 in. x 18 in. with stainless steel division plates, brass fitted, 6 N. & Z. electrical thermometers and 2 pressure gauges; ratchet action hand closing Reed Brothers (Engineering), Ltd., Bevis Mar House, London, E.C.3. Phone Avenue 1901/4.

**F**OR Sale. to tax registered purchaser, surplus 4 gallon drum of white oil bouquet brilliant £50. A. Wade, 25 Carlton Road, Burnley.

**R**OUND Sprinkler talcum tins, 2½ in. x 4 in., for sale 100 gross, quantity 36s. per gross. Talcums 40 gal. each amber mineral oil £7 10s. each. Aurora, Ltd., 247 Regent Street, W.1. Regent 193.

## PARTNERSHIPS

**Q**UALIFIED experienced chemist requires active partnership in wholesale, manufacturing, packing or similar business investment. £2,000 to £3,000 115/635, C. & D. Office.

## TRADE MARKS

**"TAVERN."** Will manufacturers using or proposing to use this word association cosmetic and/or soaps please write 117/694, C. & D. Office.

**THROUGH SIX YEARS OF WAR** we maintained the pre-war quality of our brands and kept our customers regularly supplied.

They still are serving the public with the finest Surgical Rubber Goods:—



We hope soon to have reached our pre-war standards of prompt delivery. In the meantime, orders are being executed in strict rotation.

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**23, DERING ST., BOND ST., LONDON, W.1**  
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## Resuming Normal Supplies

Although all demands for FELSOL cannot yet be met as quickly as we should like, we are pleased to announce that production is now steadily increasing week by week. Supplies therefore are not so limited as previously and the delays in deliveries caused through war-time hindrances are gradually being overcome.

With the efforts now being made to resume normal supplies, it is hoped that, in the near future, all orders for the standard size will be executed without delay. For the time being the large size must still be reserved for physicians' private prescriptions, hospital and N.H.I. dispensing purposes.

In thanking pharmacists for their patience and co-operation, we again apologise for inconveniences caused by circumstances beyond our control.

**P.A.T.A.**

**BRITISH FELSOL COMPANY LTD**

WIGTON HOUSE, 206-212 ST JOHN STREET, CLERKENWELL, LONDON, E.C.1  
Telephone CLERKENWELL 5862 Cables 'Felsol' SMITH London.





